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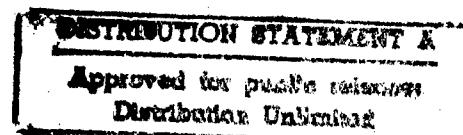
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FINAL ENVIRONMENTAL IMPACT
STATEMENT FOR THE STRATEGIC TARGET
SYSTEM VOLUME III

FINAL
ENVIRONMENTAL IMPACT STATEMENT
FOR THE
STRATEGIC TARGET SYSTEM

Volume III

May 1992



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U.S. Army
Strategic Defense Command

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Abstract: This EIS documents the results of an analysis of the potential for and magnitude of impacts from launch activities of the Strategic Target System from Kauai Test Facility at the Pacific Missile Range Facility on the island of Kauai, Hawaii.

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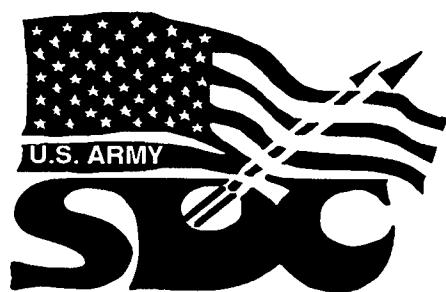
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Final

**ENVIRONMENTAL IMPACT STATEMENT
FOR THE
STRATEGIC TARGET SYSTEM**

*Volume III
Written Comments*

U.S. Army Strategic Defense Command



May 1992

VOLUME III

WRITTEN COMMENTS

This volume of the Strategic Target System Final Environmental Impact Statement contains the Exhibits (written comments) received at the public hearing and the Comment Letters received during the public comment period. Also included are the cited references, the commentor index, and the distribution list.

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**CHAPTER 1
EXHIBITS**

CHAPTER 1

EXHIBITS

This chapter presents copies of exhibits received during the March 24 and 25 public hearing for the Strategic Target System Draft EIS. Exhibits included copies of speakers prepared speeches, supporting documentation, and written comments sheets. A total of 111 exhibits were received during the two sessions of the public hearing. In addition, over 2,300 form letters (see EX107, EX108, and EX109) were submitted. The exhibit commentor number is shown in the upper left corner and categorized comments are shown in the right margin.

EX1 (cont.)

COMMENTS OF
STATE REPRESENTATIVES
BERTHA KAWAKAMI & EZRA KANOHO
ON THE U.S. ARMY STRATEGIC DEFENSE COMMAND'S
DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR THE STRATEGIC TARGET SYSTEM

March 25, 1992

August C. Manguso,
Lieutenant Colonel, USA
U.S. Army Strategic Defense Command

Dennis R. Gallien
Environmental Engineer
U.S. Army Strategic Defense Command

Thank you for giving us the opportunity to submit comments on this important matter.

Even though the Pacific Missile Range Facility (PMRF) at Manu is located within Representative Kawakami's 51st district, both of us have been very interested in the proposed launching of Strategic Target System missiles from the Kauai Test Facility since the project was originally proposed.

As Kauai residents will note throughout this hearing, we have many concerns about the impact that the missile launching could have on the local environment. For this reason, we want a full disclosure of the environmental impacts that this proposed project will have. And once the impacts are clearly known, we want to be assured that steps will be taken to mitigate these impacts as much as possible. We also want to keep abreast of all new developments related to this project.

Not being experts on air quality and threatened or endangered flora and fauna, and knowing little about missile launches, we cannot speak with any authority on whether the draft environmental impact statement adequately discusses the impacts that may result from the proposed project. For these specific topics, we gladly defer to the experts in the field.

We would like to however, share our thoughts with you on the broader implications that this issue is having on the Kauai community. On this topic, the people of Kauai--we feel that we are better qualified to speak.

We must ask ourselves: what is the impact that this issue is having on the social fabric of our community? This is a question that greatly concerns us, because we foresee a polarity forming in our community that may have a lasting impact on us. long after the decision is made on the adequacy/inadequacy of the environmental impact statement. We see this polarity forming, not over specifics contained in the draft environmental impact statement. Rather, it is over a broader concern--whether

the long-term survival of the PMRF itself hinges in any way on the approval of this project. In other words, the livelihood of many Kauai residents may be in jeopardy. We don't know whether such a linkage exists. We do know that some have maintained this position, and others have denied it. Nevertheless, this disturbing speculation persists. And it concerns us, because PMRF has been a good neighbor. It supports the economy of our island, and it assumes a very important niche in our community and the state.

To minimize such divisiveness in our community, it is important for the final environmental impact statement to clarify this concern once and for all.

At the same time, we at the Legislature are working to ensure the long-term survival of the PMRF. Two weeks ago, we introduced House Concurrent Resolution No. 360 (attached) which urges the United States Congress, the President of the United States, and the Secretary of Defense to maintain the PMRF as the United States' foremost missile range facility in the interest of assuring the nation's defense and preserving world security and peace. The concurrent resolution also urges Hawaii's congressional delegation to do everything in their power to preserve the integrity and capability of the PMRF. The gist of this measure is that Kauai cannot afford to lose the PMRF.

We and our constituents with these requests. We ask the United States Army to please listen carefully to the testimony that is given at this hearing. In addition to the specific questions that will be raised, please also consider the broader message that we are giving to you--Kauai residents are very concerned about protecting both our environment and our community.

Finally, we ask those in the audience to be tolerant of those who have different views from yours. Please remember: we need to live with each other.

We appreciate the opportunity to testify.

1 Bertha Kawakami
State Representative
51st District

2 Ezra Kanoho
State Representative
50th District

Attachment

3

H.C.R. NO. 360

HOUSE CONCURRENT RESOLUTION

URGING THE CONGRESS OF THE UNITED STATES, THE PRESIDENT OF THE UNITED STATES, AND THE SECRETARY OF DEFENSE, TO MAINTAIN THE PACIFIC MISSILE RANGE FACILITY AT MANA, ON THE ISLAND OF KAUAI, IN THE STATE OF HAWAII AS THE UNITED STATES' FOREMOST MISSILE RANGE FACILITY.

WHEREAS, the Pacific Missile Range Facility (PMRF) at Mana, on the Island of Kauai, in the State of Hawaii, was established twenty-eight years ago and has long been acclaimed as the world's premier missile testing and fleet maneuvering site; and

WHEREAS, through the years, hundreds of millions of taxpayers' dollars have been invested in structures, runway and missile firing facilities, as well as sophisticated testing, tracking, missile retrieving, and related telecommunications equipment, to attain this needed capability; and

WHEREAS, the PMRF covers a land area of 2,478 acres at Mana, Kokee, Makaha ridge, Kaumokula ridge, and Port Allen, on the Island of Kauai, and a radar site at Mauna Kapu, on the Island of Oahu, as well as an underwater tracking range of 1,000 square miles, which is cabled to provide subsurface monitoring and tracking capability; and

WHEREAS, the total range of designated operations at the PMRF spans 29,000 square miles of open ocean, far removed from traveled sea lanes, as well as the flight patterns of commercial air carriers, unlike the congestion and conflict that exists anywhere along the continental coastline of the United States; and

WHEREAS, experiences from war in the Persian Gulf and other recent conflicts mandate that national defense and world security be maintained to guard against unscrupulous dictators who intentionally mislead and rally their unwary citizens against depicted enemies to satisfy their personal quests for power; and

WHEREAS, the Legislature wishes to clearly express its total support for the intent of the "STARS PROGRAM", provided that an environmental impact statement and its review indicate that the island of Kauai and the State of Hawaii will not be adversely impacted environmentally, or in any other way, by the program; and

HCR LRB 92-1914

H.C.R. NO. 360

WHEREAS, the PMRF and its personnel and employees--numbering 135 active-duty Navy personnel and 711 civilian employees, tenant employees, and Hawaii Air National Guard personnel--have been good and caring neighbors who, in their official and volunteer capacities, have established a proud history of willingness to provide various services to the community, including contributions to the Kauai United Way and four-year college scholarship grants to Kauai's youth; and

WHEREAS, the vast, albeit silent, majority of the people on the Island of Kauai recognize:

- (1) The beneficial presence of the PMRF through the facility's creation of technical and skilled job opportunities, as well as the facility's substantial contribution to the Island's economy; and
- (2) That there would be a devastating effect on the Island's residents should the PMRF's activities, with an annual operating budget of \$73,000,000, be significantly curtailed or completely terminated;

now, therefore,

BE IT RESOLVED by the House of Representatives of the Sixteenth Legislature of the State of Hawaii, Regular Session of 1992, the Senate concurring, that the Legislature respectfully urges the Congress of the United States, the President of the United States, and the Secretary of Defense, to maintain the Pacific Missile Range Facility at Mana, on the Island of Kauai, in the State of Hawaii, as the United States' foremost missile range facility, not only for all the reasons cited in this Concurrent Resolution, but more particularly in the interest of assuring the nation's defense and preserving world security and peace; and

BE IT FURTHER RESOLVED that the members of Hawaii's congressional delegation are respectfully requested to support the intent of this Concurrent Resolution and to do everything in their power to preserve the integrity and capability of the Pacific Missile Range Facility; and

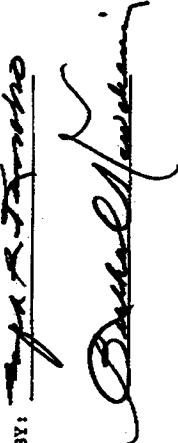
BE IT FURTHER RESOLVED that certified copies of this Resolution be transmitted to the President of the United States,

HCR-LRB-92-1914

H.C.R. NO. 360

the Secretary of Defense, Hawaii's congressional delegation, the Governor, the Mayor of the County of Kauai, the members of the Kauai County Council, and the Commanding Officer of the Pacific Missile Range Facility.

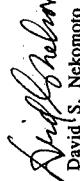
OFFERED BY:



TO WHOM IT MAY CONCERN;

This is to identify Ms. Anelle Hazlett as the individual who will read my statement at the STARS EIS hearing as I indicated I would be out of town. I have been assigned a time of 7:58 p.m.

Thank you very much.


David S. Nekomoto

David S. Nekomoto
P.O. Box 123
Lawai, Kauai, HI 96765
(808) 332-7287 (H)
(808) 335-4657 (O)

March 24, 1992

EX2

David S. Nekomoto
 P.O. Box 123
 Lawai, Kauai, HI 96765
 (808) 332-7287 (H)
 (808) 335-4657 (O)

March 24, 1992

TESTIMONY FOR THE STARS DRAFT EIS REVIEW HEARING

Thank you for allowing me to submit to you my written testimony for this important hearing.

First of all, I would like to say that I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS, and am convinced that there would be no significant impact caused by the STARS launches.

Hawaii as a state is about to feel the far reaching impacts of massive Defense cutbacks, and we as citizens should be very concerned about the economic consequences.

Strategic Defense Initiative programs, including STARS, have survived these cuts and more importantly, have received increased funding, as approved by Congress. We should cherish the fact that the program can be so significantly supported from our little base right here on Kauai!

I have stated my strong belief that the existence of PMRF today is due largely to Test and Evaluation Programs with SDIO being PMRF's largest customer. Those of us who understand business know the value of keeping your biggest accounts in good shape!! I'm not saying that public safety should be compromised--I am confident that project personnel are doing a good job at minimizing risks to the public and to the environment.

In the face of increasing evidence that there are serious questions being raised about the future of PMRF, I think that anyone who has concern over the economic well-being of our County would not be protesting the presence of STARS on Kauai.

Those who protest the STARS program should be scrutinized. How many who protested for the EIS have stopped protesting now that the EIS has been mandated?? I would venture to say that most of the same protesters are now focused on eliminating the program from Kauai altogether. My question to these protesters is:

"If you knew that your protests could do irreparable economic harm to Kauai and her people, would you continue in your protest?"

If the answer is "NO, I would stop," then I urge you to listen & evaluate.
 If your answer is "YES, I would continue," then I urge you to move from Kauai.

To you the Program Managers, please be aware that there are many, many people who support the base and its programs. However, our military and civil service personnel are somewhat restrained in the extent they are able to speak in public, and the vast majority of the other good folk who support PMRF are not of the stock, or do not have the time or money to involve themselves in a prolonged effort to ring bells and rattle cages as our opposition is so capable of doing. Our people don't have the kind of finances it takes to continuously run expensive television, radio and newspaper advertisements, or to hire high priced speakers from out of town. We're being outclassed and outspoken by people with fancy credentials who speak in half truths. Most of them are new arrivals to Kauai, who want to burn the bridge now that they're across it--people who don't know or feel the meaning of the word "ALOHA," people who don't care that the base could close.

To my fellow supporters of PMRF and the STARS Program--I thank you for coming out to show where you stand. I urge you to continue the fight as hard as you can, as the base's future is in our hands. We must be active and vocal, or we will all lose out. Urge others to get involved. Our politicians must get the message so they can act to avert irreversible damage to our island's economy.

PMRF and Pohakuloa are the two largest military training areas remaining in Hawaii, and both are under fire by protesters. If either of these ranges close, there would be reason to relocate operational units to where they are welcome, where there is better access to training facilities. We've already lost Kahoolawe, and this is causing Pearl Harbor based units to transit to San Diego to get to training facilities which permit naval gunfire operations. It won't be long before military decisionmakers take action to transfer these ships and personnel to San Diego in order to be closer to usable training areas.

Yes, I truly believe that Hawaii is headed for real trouble, and it starts in our own back yard. We must do all we can to stop the loss of military training areas if we don't want the operational units to relocate elsewhere!

I know there are many protesters signed up to speak tonight, but I would like you to know that there are also many supporters here--WOULD ALL THOSE WHO SUPPORT PMRF AND THE STARS PROJECT STAND AND SHOUT YOUR SUPPORT???

In addition to the show of support evidenced by those here tonight, it gives me great pleasure to present copies of over 1750 letters of support which have been presented to our leaders in Congress, the State Legislature, and the Mayor and County Council of the Island of Kauai. These letters evidence a declaration of support for PMRF, its people, and its programs. Please accept them as affirmation of the support of many who are too shy to approach this microphone.

Thank you very much for listening.

Kiril Gruenwald
 David S. Nekomoto

March 24, 1992

To: U.S. Army Strategic Defense Command

From: Cynthia Stark-Wickman
1746 Hulu Road, Kapaa, Kauai, HI 96746
808-822-3771

Re: Draft Environmental Impact Statement for the Strategic Target System

As I teach my children to place their efforts towards a peaceful future, I come before you tonight as a representative of my family, especially my two daughters ages 4 and 7. While they are now being educated to respect the natural environment, the meaning of extinction and endangered species, as well as the concept of equal rights for all people, we as adults are called upon to make judgement as to what is right or wrong for the future of the uniqueness of Kauai. I will not pretend to fully understand all of the intricacies of this military project, but I will speak of my opinion as to what I believe is significant or "insignificant". Having been educated to know that insignificance is indicative of a low percentage of effect or change, I realized that research and analysis of data can easily justify insignificance by percentages. In the case of our environment, we have been able to observe how "insignificant" alterations and additions can in fact be compounded thus causing mutations to our ecosystem. Our failure to continue to consider the longitudinal impact of any human introduced alterations is a point of issue.

I take the position that any avoidable alteration to our ecosystem is significant. I do not accept that the Strategic Target System research and testing mode is of greater value than the Kauai environment. I prefer that this research remain on paper and in a state of simulation, therefore, I make a plea for the "NO ACTION ALTERNATIVE". No action guarantees the continued undisturbed existence of Kauai's fragile ecosystem.



March 24, 1992

Testimony Given Before The U.S. Army Strategic Defense Command
Concerning the STARS Environmental Impact Statement

Gentlemen:

My name is Jay Hanson and I represent the West Hawaii Sierra Club. There are certain issues that we raised during your scoping period that have not been addressed in your EIS:

1. Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.
2. Please identify the social impacts that the SDI program has on the residents of Kwajalein Lagoon.
3. Please present a cost/benefit analysis of the STARS program in a way that we ordinary citizens can understand.
4. Please identify all sources of ionizing radiation that could be aboard your launches. Furthermore, please calculate the worst-case radiation health hazards.

The largest source that we are aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. We are concerned about health hazards if large amounts of DU were to burn on the pad.

Thank You,

A handwritten signature in black ink, appearing to read 'Jay Hanson'.

Jay Hanson, 78-6622 Alii Drive, Kailua-Kona, HI 96740
Phone: 808-322-7268 Fax: 808-322-7869

ENCLOSURES

Hawaii's Sierra Club - now over 4,000 strong!

EX4 (cont.)



December 17, 1991

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien,

This letter is in response to your letter concerning the STARS EIS. I believe that my previous letters have raised all the issues that concern me. I am particularly concerned about sources of ionizing radiation that may be present on your launches.

The largest source that I am aware of would probably be the depleted uranium (DU) that could be used in a dummy warhead. I am concerned about health hazards if a large amount of DU were to burn on the pad.

Please identify all sources of ionizing radiation that could be present on your launches. Furthermore, please calculate their worst-case health hazards.

Aloha,

Jay Hanson,
Program Chair, West Hawaii Sierra Club,
78-6622 Ali Drive, Kailua-Kona, HI 96740

Phone 808-322-7268 Fax 808-322-7869

Hawaii's Sierra Club - now over 4,000 strong!

EX4 (cont.)



December 25, 1991

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

SENT VIA FAX 205-955-1310 and U.S. Mail (5 pages with enclosure)

Dear Mr. Gallien,

After my letter of December 17, concerning the STARS EIS, some of our members raised additional concerns. The West Hawaii Sierra Club apologizes for not mentioning these issues earlier.

Most importantly, the West Hawaii Sierra Club suspects that the following three questions get to the heart of the STARS opposition on Kauai. If your EIS can satisfactorily answer these three questions, the West Hawaii Sierra Club believes that the bulk of the opposition to STARS will evaporate. Conversely, if your EIS does not satisfactorily address these questions, then the people will continue to oppose the STARS program on Kauai.

Question #1 - The West Hawaii Sierra Club feels that the present Strategic (as opposed to theater) SDI program has not been shown to be the most cost-effective, most reliable solution to defend against the perceived nuclear threat. It is the West Hawaii Sierra Club's understanding that several respected scientists have proposed better alternatives (we are enclosing a copy of one recent opinion). Please present arguments both for and against the current Strategic SDI program, so that we can be certain that STARS is a worthwhile program.

Hawaii's Sierra Club - now over 4,000 strong!



October 10, 1991

Dear Editor,

Question #2 - After viewing the video "Home on the Range," the West Hawaii Sierra Club is concerned about the negative impacts on the residents of Kwajalein Lagoon. Please identify the social impacts that the SDI program has on the residents of Kwajalein Lagoon.

Question #3 - The West Hawaii Sierra Club is concerned about the costs to society of the STARS Program. Please present a cost/benefit analysis of the STARS program in a way that we ordinary citizens can understand it. For example, what are the financial costs to society of the STARS program in terms of citizens denied health care, how many college educations would STARS cost, how many affordable housing units would STARS cost, how much unemployment would STARS cause, etc.? What are the clearly defined benefits to society of the STARS program (answer question #1 first)?

To reiterate, the West Hawaii Sierra Club believes that if your EIS can satisfactorily answer the forgoing three questions, the bulk of the opposition to STARS will evaporate. Conversely, if your EIS does not satisfactorily address these questions, then it is the West Hawaii Sierra Club's opinion that the people will continue to oppose the STARS program on Kauai.

Aloha,

Jay Hanson, Program Chair,
West Hawaii Sierra Club,
78-6622 Alii Drive,
Kailua-Kona, HI 96740

ENCLOSURE

Hawaii's Sierra Club - now over 4,000 strong!

<p>Many individuals have not heard arguments concerning the proposed Strategic Defense Initiative (SDI or Star Wars) program in a way that is easy to understand. Debate presently rages concerning the wisdom of pursuing SDI, because SDI is still many billions of taxpayer's dollars, and several years away from actual deployment. Therefore, I will present currently fashionable arguments for showering SDI with money, and why those arguments are flawed.</p>
<p>PRO: The Soviet Union may accidentally launch an intercontinental ballistic missile (ICBM) at us and we would need our SDI anti-ballistic missile (ABM) to shoot down their ICBM.</p>
<p>CON: Dr. Sherman Frankel proposes a much better solution to the problem in an article titled "Stopping Accidents After They've Happened", which appeared in the Nov 1990, "The Bulletin of the Atomic Scientists." Nuclear missiles have sophisticated electronic locks called "permissive action links" (PALs), and require special codes before the missiles can be launched. Unfortunately, once they are launched, there are presently no mechanisms in place to destroy errant nuclear missiles.</p>
<p>Dr. Frankel proposes a new system that would be able to destroy missiles after they have been launched, and would be similar to systems that are presently used on all commercial rockets. The principal innovation is that the new post-launch system would have a unique secret destruct number stored in each missile. Each missile's secret number would be changed frequently to guard against espionage. There would be one PAL to launch the missile and another PAL to destroy it.</p>
<p>Dr. Frankel's system would be far cheaper, quicker to implement, and much more reliable than the proposed SDI ABM system. Dr. Frankel is a professor of physics at the University of Pennsylvania in Philadelphia and is completing a book about post-launch control of nuclear weapons.</p>
<p>PRO: Saddam Hussein may get a nuclear weapon to destroy one of our cities and get even for Desert Storm. Thus, we would need SDI's ABM to shoot down Saddam's ICBM.</p>
<p>CON: Dr. Robert Bowman lectured in Hawaii during 1990 and made the following points concerning nuclear terrorism:</p>

If the past is any guide to the future, nuclear weapons will indeed become more and more likely to fall into the hands of terrorists. However, even if crazy Saddam manages to steal a nuclear weapon, he still will not have ICBM technology. Moreover, if someone gave Saddam an ICBM to launch his weapon, why would Saddam risk his precious nuclear weapon on an untested ICBM? Perhaps, the single most important reason not to use an ICBM is that as soon as a missile trajectory originating from Iraq appeared on our radar screens, we would certainly retaliate.

Wouldn't Saddam be more likely to place his bomb in a boat and simply sail into any handy American seaport? Come to think of it, we have a pretty good selection to choose from right here in Hawaii. Saddam couldn't possibly miss, and no one would ever know where it came from. Instant glass...

In reality, we must stop the proliferation of nuclear materials and technologies in order to protect ourselves against nuclear terrorism.

PRO: We can stop worrying about nukes once we have SDI.

CON: Even SDI proponents no longer consider this a rational argument, because there really is no defense against a nuclear weapon in the hands of a terrorist.

PRO: America's National Security requires a healthy defense industry. Therefore, we need to develop SDI in order to keep defense contractors from going broke (a variation on this argument was actually made recently by NASA's Admiral Truly).

CON: There does need to be a residual capability in our defense industries. However, these companies should be developing beneficial products instead of just flushing taxpayer's money down their toilets. They should be working on technical solutions to the global warming problem, combating ozone depletion, developing hydrogen-powered autos, and perfecting solar-powered electricity production.

Today, America is the world's largest arms dealer. Today, President Bush is proposing new mega-billion dollar weapons systems to compete with last year's models of our own weapons. Today, the weapons priesthood is looting America on a scale that leaves the Savings and Loan Bandits green with envy.

In the new Sierra Club book "Hidden Dangers", authors Ehrlich and Birks state: "The net interest payments on the federal debt combined with government purchases of military goods and services - those two budget items by themselves - absorbed all of the federal income tax revenues collected from all American taxpayers, individuals, families, and corporations in 1986."

Once we reach the point where all of our taxes are only able to service the interest payments on the National Debt, how shall we ever recover?

Aloha,

Jay Hanson, Program Chair,
West Hawaii Sierra Club,
78-6622 Alii Drive,
Kailua-Kona, HI 96740

Phone 808-322-7268
Fax 808-322-7869

EIS

3/24/92

U
3/24 (9:22 P.M.)
My name is Robert Inouye and I am employed by the Pacific Missile Range Facility as the base Environmental engineer.

I am a resident of Kauai, living and working on this island. I am very concerned about our precious environment.
for the Strategic Target System.
The draft environmental impact statement adequately addresses the issues and concerns of the ~~Strategic Target Systems program.~~ ^{concerns w/ the L} ~~the Strategic Target System will not have a significant~~
~~we at the Pacific Missile Range Facility are the stewards of this land~~
entrusted upon us and are very much aware of the environmental requirements.
Safety of personnel and the protection and preservation of the environment ~~are~~ ^{is} ~~the~~ ^{the} ~~base~~
~~are~~ paramount.

Presumably, the EIS can measure the safety factor of the proposed rocket launches on Kauai. And it can assess various environmental factors. But it cannot measure what Senator Reed refers to as the "immeasurable impact." In these allotted three minutes, I wish to speak directly to this immeasurable impact which, simply put, is the risk of impairing this island's very spirit -- that which is best personified by what we call the "Aloha Spirit."

Many years ago, before making Hawaii my home, I was a resident of California. I would not have been particularly concerned if the military had chosen Lompoc or Vandenburg as a test site for launching their STARS rockets ... or anywhere else, for that matter. I would not have cared. But, with Kauai, there is a difference. And, the difference is this:

On June 14, 1990, when the STARS launch program was in its initial planning phases at PMRF, the military held a public meeting in Kekaha. (Perhaps some of you here this evening recall that meeting). After listening to many of the testimonies presented, it became apparent to me that none touched on this very vital question of what Reed now refers to as the "immeasurable impact."

I had not really intended to speak that evening.

EIS

1

What I said was essentially this: This Island of Kauai is sacred land ... and it has been held "in trust" by God through eons of time. Some believe that Kauai may have been the original Garden of Eden. Certainly, it is not by physical beauty alone that Kauai is designated as the "Garden Island." It is the Aloha Spirit that such a name embodies.

We, the citizens of this sacred land today are not to violate that trust ... we have the responsibility to not allow it to be desecrated. The escalating military focus on this island does just that ... as such, it should not be tolerated. This Island of Kauai is not meant for rocket launches — and other instruments of war — no matter how "safe."

What do I mean when I say the "escalating military focus?" Unfortunately we, the public, tend to think in short-range terms. Let us not kid ourselves. The Pentagon in Washington has major long-range plans for the Barking Sands area. What you see now is a small, innocuous base. What you will see in the near future, is a major military installation.

Witness already the step-upped program for rocket launches, quietly mentioned in the EIS. Fifteen launches a year! Of course, not all are for the STARS system. Yet, who knows how many rocket launches are planned for the future, once the STARS program is firmly rooted here.

I am here to say, look beyond the STARS program. It represents just the initial phases of a much wider program. One in which we will all be vitally effected. And what then, about the "immeasurable impact" — the Aloha Spirit?

Let me close, if I may, with a quote from a remarkable man who was born here in 1889, a Hawaiian by the name of David "Daddy" Bray. His definition for the Aloha Spirit can very well be a model for all of us who live on this sacred Island of Kauai. "The Aloha Spirit" is to come forward, to be in unity and harmony with your real self and mankind and the universe."

Thank you.

EX8

**COMMENTS ON THE DRAFT
ENVIRONMENTAL IMPACT STATEMENT
FOR THE
STRATEGIC TARGET SYSTEM**

John A Love--24 March, 1992

Good evening. My wife and I have retired here because we love the environment. That environment includes all of the God given things in nature. It also includes freedom, peace, and prosperity. We urge the people of Kauai to actively support STARS.

My beliefs are based on experience and history. I graduated from MIT in '58 and spent the next 33 years designing space systems. I have held senior engineering and management positions on many spacecraft programs including 4 SDI systems.

Why SDI, GPALS, and STARS? We all wish for peace. Recent world changes tend to make us feel more secure. However, control of huge stockpiles of military equipment is uncertain. Dictatorships can spring up overnight if the promises of freedom fail. Many third world countries already have weapons of mass destruction and are hungry for more.

There are wars now, and history tells us there will be more. Who could have predicted two years ago that we would be in Desert Storm? And who could have predicted the stunning impact of technology on saving American lives and achieving swift victory?

There is no doubt that future aggressors will have missiles armed with terrible warheads. Although Kauai is an unlikely target, we have a duty to support freedom. SDI and GPALS would provide an impressive level of defense if deployed today. STARS is needed to develop technology to make those systems less expensive and even more effective.

This EIS is thorough and professional, the best I've read. Yet when you voice your concerns, the experts cannot give you absolute guarantees. We all know that death and taxes are the only two sure things in life.

I'd like to offer a different view based on history. The natural environments around Cape Canaveral and Vandenberg are different but no less fragile than here. They are doing just fine after 40 years and a thousand space launches, most huge compared to STARS.

The space launch safety record for the general public has been outstanding. There have been some tragic ground handling and test accidents like the Apollo 1 fire. None involved the public.

There were many launch failures, particularly in the early years when we were learning. We had the Challenger disaster but as far as I can determine no other person has even been injured as a result of a US space launch. Even with the terror of Challenger, the public was safe.

We are far more at risk on Kauai's highways than anything associated with STARS. I urge patriotic support for STARS. It can help guarantee the freedom which allows true peace, and it can help bring prosperity to our beloved island. Thank you.

To: U.S. Army Strategic Defense Command
From: Averiet Soto
P.O. Box 809
Lawa, HI 96765
Subj: Written comments for the Strategic Target System Draft EIS

Two years ago Captain Tom McFeely then Commanding Officer of PMRF said that if STARS did not proceed, it would not affect the base at all. I did not agree with his assessment then nor do I agree with it now.

In the STARS EIS executive summary, under alternatives, you state that "Under the no action alternative, PMRF and KTF would continue to perform its fleet training and other missile testing missions. Selection of the no action alternative would result in no significant impacts on Kauai." As is evident tonight, all future missile launches will come under intense scrutiny. I don't think your opponents will stop with STARS. The fact is, all future missile programs that may want to use PMRF are in jeopardy.

I firmly believe that test and evaluation programs are a critical part of PMRF's future. If they go away, PMRF itself will be reduced to a level of no significance. The potential loss of jobs and all the effects thereof will have a tremendous socioeconomic impact on many westsiders. I consider this very significant and strongly urge you to explore the effects of the no action alternative further.

In June of 1990 at the Kekaha Neighborhood Center, many of the same people speaking tonight looked the military straight in the face and said "We need more information. We need an EIS. Others cited treaty violations. A few were truthful and said, "We don't care what you tell us, we won't believe you. We just don't want it." Many opposed to STARS don't understand it. Others simply choose not to understand it. They want to be heard but do not want to listen.

In 1991 some of these same people looked Senator Inouye straight in the face and said "Help us get an EIS". I wonder if Senator Inouye feels used now that he knows that even an EIS won't satisfy opponents. It was just a stall tactic. I hope every elected official has a representative here tonight to witness this occasion.

EX7

Rick Reed says we should reject the program even if the EIS results in a finding of no significant impact because it would harm the Spirit of Kauai. In essence what he's saying is forget due process unless its findings are in our favor. If this program had started 10 years ago, what would Kauai be like today? How would it have affected the Spirit of Kauai. It seems to me that the increases in crime in the past ten years does more harm to the Spirit of Kauai than four launches a year. The worsened well-being of our children today verses ten years ago does more harm to the Spirit of Kauai than four launches a year. The increased traffic coming into Lihue in the past ten years does more harm than four launches per year. Once the STARS controversy winds down, I wonder whats next? Beware hunters, sugar companies, and anyone else who may not fit into the scheme of things to come.

Test and evaluation programs such as STARS can work at PMRF provided its done safely. This EIS has answered the technical issues surrounding it. Those who support this program know that safety must always come first. We raise our families here. This is our home. I know that those working at PMRF would never compromise safety; they would not stand for anything less than the highest possible standards. You would be the first to hear about it.

Let me quote words spoken by Kamehameha III nearly 150 years ago and is our state motto today.

UA MAU KE EA O KA AINA I KA PONO
that is
"THE LIFE OF THE LAND IS PRESERVED BY RIGHTEOUSNESS."

Words many in this room should take to heart!

Sincerely

Averiet Soto

Rick Reed says we should reject the program even if the EIS results in a finding of no significant impact because it would harm the Spirit of Kauai. In essence what he's saying is forget due process unless its findings are in our favor. If this program had started 10 years ago, what would Kauai be like today? How would it have affected the Spirit of Kauai. It seems to me that the increases in crime in the past ten years does more harm to the Spirit of Kauai than four launches a year. The worsened well-being of our children today verses ten years ago does more harm to the Spirit of Kauai than four launches a year. The increased traffic coming into Lihue in the past ten years does more harm than four launches per year. Once the STARS controversy winds down, I wonder whats next? Beware hunters, sugar companies, and anyone else who may not fit into the scheme of things to come.

Deputy Commander
U. S. Army Strategic Defense Command
CCSD-ENV (D. R. Gallien)
P. O. Box 1500
Huntsville, AL 35807-3801

Dear Randy,

Thank you for the opportunity to provide written comments to the Strategic Target System Draft Environmental Impact Statement. My comments are attached in a tabular format.
Also attached is a copy of my written testimony at the DEIS hearing on 3/24/92.

Sincerely yours,

Richard Irwin

Richard Irwin

Comments to the STARS DEIS submitted by R. Irwin

ES9 (cont.)

Page No.	Para.	Line	Fig. No.	Tbl No.	Comments
inside front cover	Abstract	2			Type: Pacific Missile Test Facility should read: Pacific Missile Range Facility.
ES-1	2	2nd to last			The launch of 800 rockets and targets since 1962 seems low when compared to the numbers listed on page 2-1: from January 1991 - September 1991, 499 sounding rockets, 574 drones, and 22 target missiles - a total of 1095 for only a nine month period.
ES-2	Alternatives	last sent.			I feel the no action alternative would result in a significant impact given the base closing issues before the DOD. If the STARS programs fails to proceed, a negative message would be sent to potential T&E range users about PMRF. A loss of T&E customers would potentially result in loss of jobs and could ultimately lead to the base closure.
ES-3	Air Quality	last sent.			The practice of burning sugar cane fields causes PROLONGED periods of heavy smoke and ash during the cane harvesting season. This is the major polluter of Kauai's environment, and while the EIS does not directly address this issue, a RELATIVE comparison of projected concentrations of booster combustion products carbon monoxide and particulates should be made with a typical cane burning scenario. This comparison would be helpful in demonstrating what the potential effects of the booster combustion products might be. The DEIS uses the relative comparison method elsewhere in the document and I found it helpful.
ES-6	Land use				The effects of land use and public beach closures could be mitigated if the majority of launches were scheduled for post-midnight to pre-dawn time frames. Explain dome pop.
2-10	3	7			Explain propellant cross-linking
2-10	4	4			

ES9 (cont.)

Page No.	Para.	Line	Fig. No.	Tbl No.	Comments
7	2-11	2	3		Will all STARS second stage boosters be built after booster number B-810? If so, state it clearly.
8	2-11	2.1.1.3, 2nd para.	1		The first sentence is redundant since the first paragraph stated the same thing.
9	2-11	2.1.1.3, 2nd para.	3-4		Explain why payloads with pre-installed nitrogen tetroxide can be flown to PMRF when on the next page it is stated that a waiver would be needed from DOT to ship the oxidizer by air. (I assume the small quantity of the pre-installed nitrogen tetroxide is allowed by DOT).
10	2-12	5			What is the proposed action for liquid propellant shipment - oxidizer? It is clearly stated on page 2-34 and elsewhere in the document that delivery by landing craft (Option 3) is the proposed action. This should be stated clearly here.
11	2-15	2			A statement should be added to document that hydrazines and nitrogen tetroxide have been safely used by NASA in the Space Shuttle and handling and safety procedures are well-documented.
12	2-16	3			Can the missile track and accuracy be maintained if the radar beacon fails? If so, can downrange tracking be maintained to meet safety requirements? Are there redundant beacons on board?
13	2-25	2.1.2.4	3		Delete the word "which" (follows Control Room, and proceeds is active throughout.) Will the portable blast deflector be installed or not? If so, state it clearly.
14	2-32	2	1 & 2		Socioeconomics - No Action: In addition to reducing PMRF's viability as a National defense asset, my comments for page ES-2 are also applicable. The loss of jobs related to STARS at PMRF and possible loss of potential future T&E programs at PMRF would be a significant economic impact to the employees, residents, and businessmen of the Westside communities of Kauai.
15	2-40				

EX9 (cont.)

Page No.	Para.	Line	Fig. No.	Tbl No.	Comments
4-36	1	1			I believe State and County laws (not enforced) prevent the use of four-wheel drive vehicles on the beach, therefore the beach closure would have no (legal) effect on the vehicles and shouldn't be mentioned.
4-58	1	1			This sentence doesn't make sense. What's missing? Is the point being made that the hydrazine toxic vapor hazard is low due the relatively low evaporation rate?
4-74	4.12.2				My comments for pages ES-2 and 2-40 are applicable to the No Action Alternative.
6	6				add Hypergolic to list of Terms and Definitions.

Page No.	Para.	Line	Fig. No.	Comments	No.
3-15	2			The practice of burning sugar cane fields causes PROLONGED periods of heavy smoke and ash during the cane harvesting season. What are the effects on air quality from burning cane? Do they exceed State air-quality standards? Again, the relative effects of STARS booster combustion products on air quality should be made with sugar cane burning.	3-6
3-44				Measurement location numbers from Fig. 3-12 should be added to this table	

4-7	5 (PO Strategic Target System Emissions)			It should be made clear in this paragraph that the payload liquid propellents are only carried on some, not all STARS launches. Read alone, this paragraph implies liquid fuels on all launches.
4-10	2	3		If FREEDM has been used at major launch sites for prediction, has the prediction been validated by observed results? How

		How do the modeled predictions for CO concentrations compare with measured concentrations from sugar cane burning. A relative comparison here would be informative.	same comment as 4-10
4-10	O		
4-12	Particulate		

4-12	Inaccurate Matter			
4-17	CO ₂		same comment as 4-10	
4-24	HCl Emissions		Won't: the pre-launch fire suppression water spray on vegetation near the pad intensify the effects of HCl on the plants? It would seem logical that damp plant surfaces would readily absorb and concentrate the HCl vapor. The resulting hydrochloric acid would have a greater negative effect than the HCl vapor.	

ANSWER KEY

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Written comments for the record concerning the STARS DEIS

Thank you for the opportunity to offer testimony on the STARS Draft EIS.

My name is Richard Irwin and I am a retired Navy veteran employed at PMRF. I am also a veteran of the Cold war. A good part of my military career was spent in daily contact with Communist forces. I monitored their strategic missile weapons testing program; I was there as their multiple reentry vehicles came screaming through the skies, like fireballs from Hell. The simulated thermonuclear detonations of these test weapons was the most frightening thing I have ever witnessed. It was chilling to realize these events simulated the incineration of millions of people. Because of these experiences, I know that the GPALS and STARS programs are vital to the Nation's security.

I feel the DEIS in-adequately addresses the negative impact on the Nation's defense, if the No Action Alternative is followed. The STARS program is vital to the Nation's security. More so in this era of uncontrolled nuclear proliferation. A cold war victory did not dispel the nuclear genie. The Soviet Union is fragmented and bankrupt, but in its ashes still lies the seeds of Armageddon. Seeds that left unintended, will surely scatter to even more threatening fields. The Chinese have advanced their technology with capable ICBM and SLBM delivery systems. We live in a world in which nearly every nation that wants nuclear weapons has them. Even designing a nuclear weapon, once the most closely guarded of secrets, is not a difficult task. What's classified today is how to build a **good** weapon, not how to build a weapon. While the Strategic Defense Initiative's GPALS program cannot defend against all methods of nuclear weapons delivery,

Educative Mission
it holds the best hope of rendering X useless. I therefore urge you to readress and emphasize this issue in the No Action Alternative.

The No Action Alternative should consider the effect on the Kauai economy if PMRF is cut back or closed as a result of the loss of STARS and other T&E programs.

The vocal, anti-STARS, monied minority of North shore have opposed the STARS program and the Nation's defense from day one without taking the time to explore all sides of the issue. Their stated goal was to ensure environmental safety by demanding an EIS. Now that they've got the EIS they say No Rockets regardless. The rockets have been on Kauai longer than most of them and with far less environmental damage. Some are even advocating disregard of the law with their contention that invisible feelings and spirits of Kauai will be affected. What is their real agenda? I feel these environmental dictators won't be satisfied until they've run everyone off the island that oppose their one-side views.

These environmentalists have a total disregard of their actions on the hard-working folks of the Westside. Thousands of Westside residents are directly or indirectly dependent upon PMRF for their financial well-being and lifestyle. Recent cost-cutting moves by the Department of Defense are forcing base closures and are now a very real threat to PMRF. The Base is under a justification review mandated by the Chief of Naval Operations. Myself and fellow employees at PMRF take this potential base closure threat very seriously. That is why the STARS program is viewed by most long-term civilian employees as the key to the Base's future. A safe and successful STARS program will undoubtedly attract other National test and evaluation programs (not necessarily missile-related) which

will keep PMRF and Kauai prosperous in the future. If this isn't keeping "Kauai Kauai" or "Hawaii Hawaii," then what is? If PMRF should close as a result of losing programs such as STARS, don't you think the impact, from loss of jobs, would be far greater upon the "invisible spirit and soul of Kauai" than that from a few short-duration missile launches?

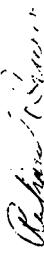
PMRF may just be the tip of the iceberg for Hawaii. Recently we've seen the Commander, Third Fleet and his staff relocate to California. Cutbacks have been announced for the Pearl Harbor shipyard. Relocation of the Commander, Pacific Fleet and staff to California is under serious consideration. The majority of surface ships and submarines would also be relocated under some plans. Since the Kanehoe Bay Marine Corps can no longer train on Kahoolawe, are they the next to go? And what about the light infantry at Schofield Barracks without Hickam cargo aircraft for rapid deployment: will they also be relocated? We are talking about the potential loss of tens of thousands of jobs and hundreds of millions of payroll and indirect dollars to the Hawaiian economy.

The members of the Kauai County Council feel the PMRF closure threat is real enough to have recently expressed their unanimous support of PMRF to Senator Inouye in a letter asking his support, to keep the base open. The Mayor, of course, has sided with her North shore friends to continue with her long standing agenda dating from her County Council days: and that is to close the base.

I ask those that oppose STARS to keep an open mind and visit their neighbors at PMRF to get their viewpoint and the rest of the story. Talk to engineers and Union technicians and operators who will actually launch and track the STARS missile and ensure the public and environments' safety. For the majority of these people,

this launch will literally be in their backyard: just miles from their homes and families. Yet, I predict you will find strong support for the STARS program because these professionals have years of experience with missile safety and they know THE STARS SYSTEM IS SAFE FOR THE PUBLIC AND THE ENVIRONMENT.

Yours truly,



Richard Irwin

3441 Ae'o St.
Kalaheo, HI 96741

CONGRESSIONAL RECORD - SENATE

February 1, 1903

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CONCESSIONS! DEDUCED

CONVENTIONAL RECORD — SENATE **February 7, 1992**

gram, the administration has become so fond of this woolly, big beast that it will only agree to give it a hulking and shabby, a shave.

Well, all of us are sensitive to the particular problems created by the coming reductions in military personnel.

Those who speak to cut defense and game are OK as long as the new rules are the administration's rules.

Let me read a portion of that statement. In effect, while the President was not able to respond to my letter which I wrote in December, I am

I will go back to what he said. The General Accounting Office says \$35 billion—billions—that \$100 billion is stuff that's little used by anybody." That is the General Accounting Office's assessment of the security needs of this country, and a refashioning of the appropriate roles, missions, and forces that reflect our new circumstances. That is the task of the General Accounting Office. That is the task of the Congress. That is the task of the Defense Department. That is the task of the Central Intelligence Agency. That is the task of the Defense Science Board. That is the task of the Defense Systems Management Organization. That is the task of the Defense Materiel Agency. That is the task of the Defense Supply Center. That is the task of the Defense Contract Audit Agency. That is the task of the Defense Civilian Personnel System. That is the task of the Defense Finance and Accounting Service. That is the task of the Defense Information Agency. That is the task of the Defense Intelligence Agency. That is the task of the Defense Logistics Agency. That is the task of the Defense Security Cooperation Agency. That is the task of the Defense Technical Information Agency. That is the task of the Defense Test and Evaluation Agency. That is the task of the Defense Threat Reduction Agency. That is the task of the Defense Nuclear Agency. That is the task of the Defense Space Agency. That is the task of the Defense Telecommunications Agency. That is the task of the Defense Transportation Agency. That is the task of the Defense Test and Evaluation Agency. That is the task of the Defense Threat Reduction Agency. That is the task of the Defense Nuclear Agency. That is the task of the Defense Space Agency. That is the task of the Defense Telecommunications Agency. That is the task of the Defense Transportation Agency.

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CONVENTIONAL RECORD — SENATE **February 7, 1992**

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These are just a few of the many ways that business leaders can help to build a better America. By working together, we can ensure that our country remains strong and prosperous for generations to come.

There is what she means by "the world's biggest shopping spree." The world's biggest shopping spree, that is what the Pentagon has been almost since the day they started building One hundred billion dollars worth of everything from nuts and bolts to sliced ham hock—believe it or not—Maalox. All gathered in one military depots, \$10 billion. That is a lot of money. That is \$100 billion for every minute since Jens

The Soviet Union has dissolved, Plato and Plyu wrote about the legendary island of Alcatraz, located somewhere to the west of the Pillars of Hercules. Because of an industry craze full of military inventors, we are told by the ancient writers, and she reached over and gently touched one of those dusty boxes and found the clasp on her finger. She said, "How long has this been here? When was this box put here?" They looked on the box and saw that the date was 1952. That is the year that I immigrated to America. It is sad to say that the ocean waves, the wind, and the sun beat upon me. I am still here, but I am not the same person as I was before. I have changed, but I still have my old spirit. I am grateful to God for giving me this opportunity to live in America and to work for the betterment of my country. I am a good person, and I hope to make a difference in the world." The President has recommended that fact, and has recommended that the Department of Defense, the National Security Council, and the Central Intelligence Agency, among other agencies, take action to protect the United States from further attacks.

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CONVENTIONAL RECORD — SENATE **February 7, 1992**

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CONGRESSIONAL RECORD — SENATE February 7, 1992

kind of dust on her fingers. The
barbarian conventions. The
monarchs and
mavens, the
old Mexican photo,
I want to be clear,
and to use some kind of
standard to the international
community. Our standard of living, our
standard to the international
community. Our standard of living, our
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community.

A recent Times Mirror poll says that 1 percent of the American people spend all their money on luxuries. The rest of us have to work hard to earn enough to buy necessities. The American people have been told that the size of the proposed tax cuts will right to their view. I am telling it as I see it.

and infrastructure to affordable health care for all Americans—this is any Senator may call his State High- way department or the masters of his busi- ness now. "We have plans—We can go right to the long-range ramifications for our country's ability to make the kind of investments we have made in the past." The circumstances have changed, he said, and we all know that it is going to start now.

I believe that we must seriously con- sider the budget summit. Nobody realized when we were at that budget summit in 1980 that unemployment in this country would be 7.1 percent today; that there would be 9.1 million Americans who had lost their jobs since the start of the 1980s. We have seen the plans all laid out in front of us, and we all know that it is going to start now.

This is not the time certainly to nice little ribbon right here on the shelf! The plans should be on the boxes of dust that sits on the desks of the kind of dust that sits on the desks of the Leesey Shabtai about on 40 Mu- nicipalities. I will go to those cities and touch these plans on the highway departments' shelves, site will get the national 11 million Americans who have

CONGRESSIONAL RECORD - SENATE February 7, 1992

CONGRESSIONAL RECORD — SENATE February 7, 1992

There has always been a Soviet interest in atomic energy. In 1949, they built their first atomic bomb. In 1954, they built their first nuclear power plant. In 1957, they launched Sputnik, the first artificial satellite. They have now developed the largest atomic bombs ever made. They have also developed intercontinental ballistic missiles (ICBMs) which can strike targets thousands of miles away.

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At its peak in December 1917, the Soviet Union had 100 million people, but by the end of the year it had fallen to 85 million. This was due to the loss of 15 million people through emigration, famine and disease. The new government, led by Vladimir Lenin, had to deal with a series of crises, including a civil war against the White Army and foreign intervention. In 1918, they signed the Treaty of Brest-Litovsk with Germany, which gave up the Baltic states and parts of Poland and Ukraine. This was followed by the Russian Revolution of 1917, which overthrew the Tsarist regime and established the Soviet Union. The new government, led by Vladimir Lenin, had to deal with a series of crises, including a civil war against the White Army and foreign intervention. In 1918, they signed the Treaty of Brest-Litovsk with Germany, which gave up the Baltic states and parts of Poland and Ukraine. This was followed by the Russian Revolution of 1917, which overthrew the Tsarist regime and established the Soviet Union.

Testimony

CAYETANO GERARDO
Lihue, Kauai, Hawaii

March 24, 1992

I am Cayetano Sonny Gerardo. First I want to take this opportunity to thank you for affording me to speak on the Draft Environmental Impact Statement for the Strategic Target System Program proposed for Barking Sands Pacific Missile Range Facility, Kauai. Although I am employed by the County of Kauai and a public official, my testimony is given as a private citizen. I hope that despite the many people who have spoken before me, my input will be worthy for you in your decision-making capacity in determining what will happen with the STARS program on Kauai. I am hopeful that my testimony will not be too repetitive with other testimonies and that you will find materials in my testimony which can be useful for you in aiding decision making.

Tonight what I offer in testimony is in regards to everyone's concerns, and that is PUBLIC SAFETY and the need to assure their safety and protection regarding this proposal. People believe that your proposal have risks for them and I agree, but despite these risks I think that the risks should be weighed along with the benefits of your proposal. Tonight I am not here to clarify the need to retain the nation's National Defense and Security strong to protect our freedom and independence because I have strong convictions that you will provide this to us; I am not here also to explain why research and development to keep our military's technical capabilities as strong and best as it can be because I am confident that you will explain this too, and finally, neither am I here to destroy your credibility because you choose to retain our nation free from foreign powers who want to destroy us. I am here, however to address the need for PUBLIC SAFETY and the need for EMERGENCY CONTINGENCY OPERATIONS CAPABILITY just in case it is needed because of an accident during launch operations.

Before I proceed with the primary theme of my testimony, permit me to remind everyone that without the STARS Program and its associated hazards, Kauai now faces daily dangers. These potential hazards are necessary however, because without it, our environment would be threatened and perhaps destroyed and us along with it.

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Sewage Treatment Plants provide potential dangers for all of us because of the amount of chemicals needed to operate the various plants throughout Kauai. Chlorine is dangerous when released into the atmosphere but when controlled, it provides an agent to keep our environment clean and free from affluent. Despite the hazard however, we permit it to exist on Kauai because of the benefits we get back from these sewage treatment plants.

While it may be unfair to compare a Sewage Treatment Plant with a STARS Program, I am making a point in that both examples have risks associated with it and both also have benefits. The major difference in both examples is their magnitude of impact. The sewage treatment Plant have a benefit to only us on Kauai while a STARS Program benefits the nation as a whole and possibly the world. We must remember to maintain the same standards of Public safety and emergency operations to both examples above, however because if we still maintain that the sewage treatment Public safety concerns are acceptable to us, then we must also logically assign the same public safety standards to the STARS Program.

National Defense and Security is critical to all of us. Our way of life, our liberty and our pursuit of happiness guaranteed by our U.S. Constitution would be in jeopardy should our national defense and security be weakened. What we know as the American Way of Life will no longer exist for us and I don't believe that anyone here accepts this risk. Yet when programs to protect this is proposed, there are those who are narrow minded enough to believe that what it takes to preserve it is too risky. War is hell, there is no doubtting that, too many human lives have been destroyed in protecting our liberty and freedom in the past. I am confused as to why our forefathers and ancestors have given us our liberty and freedom, because there are those who do not want to retain it any longer or are naive enough to believe that it will never be taken away from us.

Earlier I have promised to speak on PUBLIC SAFETY and EMERGENCY MANAGEMENT PROCEDURES associated with the STARS program and I will keep to that promise. The initial launches which was first presented to us was that there would be four (4) launches a year. I believe that I have read somewhere that more launches are to be added. Despite the increase in the number of launches, the factor of safety remains the same and that is "the safety of the people should have a high priority. We need to be assured that our

2

basic safety will be guaranteed. I feel that reasonable risks are acceptable and that we can depend upon the Army and those others involved with the program to provide maximum protection for us during the planned launches at PMRF Kauai Test Site. I don't believe we can accept HIDDEN AGENDAS from the military. Hidden Agendas have been common in the past, and I believe that those in opposition to the program remembers these past mistakes of the military. I believe that they are opposing the STARS program because they still believe that the program is linked with NUCLEAR Arms. They don't trust you and they will continue to mistrust you until you restore their confidence and trust.

To be sure, I have read your DRAFT EIS and find that all of the concerns regarding safety and emergency procedures are in-place and adequately address the people's concerns for public safety and emergency operations. Dangerous fuels that are to be transported will be minimal and should it occur, adequate precautionary procedures are planned. I am confident that you will reduce any emergency situation to a minimum.

The hazards at the launch pads are also adequately addressed. I remember that as an employee at the PMRF in the 1960's and early 1970's PMRF conducted rocket launches then. The number of rocket launches were about the same as is being planned now or perhaps a few more launches. Safety was adequate then and I believe that it is still adequate today. Technological changes have occurred throughout the years, and I believe that these changes have caused improvements in public safety operations also.

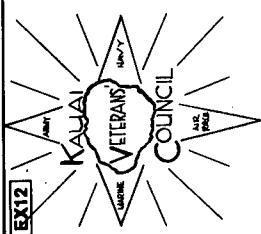
What I have touched upon in my testimony are issues that I believe to be the real issues for the STARS program. Other topics have been introduced and required to be investigated by you through the means of the EIS. These topics are a means to distract from the real issue. To me, I believe that PUBLIC SAFETY CONCERNS and whether or not EMERGENCY RESPONSE procedures are in-place in case of an accident which requires emergency services during your launch operations and I believe these are the only real issues. I strongly feel that your proposal of launching from the PMRF Kauai Test Site is necessary for our National Defense and Security and therefore should be approved to go ahead.

Secondary concerns regarding the environment are also important, but I believe that these concerns are adequately addressed in your draft EIS. I also am concerned about all living things and that they should be protected also. The ecosystem in which our living system depends upon is also precious and should be preserved. Your draft EIS, however, have addressed these concerns adequately. I am convinced, however, that there will be those who will disagree with my opinions but it is okay because this is what make our country great. We have the right to disagree because reasonable people do not agree all of the time but disagree in many topics and subjects. I listen to their arguments and rationale and I am hopeful that they too, are reasonable people and would allow me my right to speak my mind and opinions. After all, I believe that this is the reason why research and development is being proposed here, and that is to retain our right to be free in mind and spirit.

Members of the panel, I appreciate this opportunity to have spoken my thoughts and my feelings. I sincerely hope and pray that the decisions to be made regarding this STARS program will be allowed to continue. My children and their children after them depends upon having a free nation to exercise their freedom and to express themselves without the fear of reprisal when they do. By my work in emergency management, coordination involve mitigation also and I believe that the military has demonstrated their capabilities in safety management and emergency procedures. After all, I have worked with some of you in our disaster in 1982.

Many believe that the cold war is now over and I agree. Despite this however, I also believe that world tension is still with us and is still a problem. The problems in the middle east will not merely fade away to be forgotten. Saddam Hussein is still around to restart warlike conditions for the world. We cannot relax our preparedness in maintaining our national defense and security.

Lest I be misunderstood, let me say that I too fear war and the threat of what it brings to the world. The many lives that has to be given as in past wars are useless and stupid. However, when our lifestyle and freedom is threatened, we must take every means to make an attempt to preserve it. I also love life and I want to



March 23, 1992

so on living because I believe that life is beautiful. I also love my peace and freedom as much as anyone here tonight. I am also a realist in that I can appreciate what has given us this freedom and ability to pursue our happiness. I also don't object to people working for their livelihood and if people are being threatened for the possibility of losing their jobs, I believe that this is unfair.

I believe that the most unfortunate aspect of the resistance regarding your proposal of rocket launches on Kauai stems from people's fear of your hidden agendas. In the past, hidden agendas were natural expectations from the military. I point the secret project on Kauai during the Vietnam war period. Agent Orange were being tested on Kauai without anyone knowing of the tests. Those who had knowledge about the project did not reveal it to anyone. While I am aware of the concept of NEED TO KNOW, I also am aware of the need for divulging information that is necessary for the public to know. Minimal information regarding the project could have been told to the public without causing any panic at that time. However, because hidden agenda is a natural aspect of military operations, nothing was said to the public regarding the project. This is a prime example of why the public fear any project that involve the military. I almost guarantee you that people's fear in the launches are basic to their fear of nuclear arms.

With the above statement, I suggest that somehow to gain the public's trust, you will need to mend many fences. You will have to show us that the military are credible people.

TO WHOM IT MAY CONCERN:

I am Edward Kawamura, President of the Kauai Veterans Council and regret that I cannot be here tonight to testify on behalf of the Kauai Veterans Council as we continue to support the STARS program. As we are all veterans of the previous wars in which we all ~~do~~ gallantly fought, we can see what it is not to be prepared.

As the United States Navy pulled out of Subic Bay, even the people of the Philippines were sad as they knew it kept enemy countries away from them.

Unfortunately, we will be unable to protect ourselves. I still say we are the silent majority, as the vocal ones are at it again.

Thank you,

Edward Kawamura
Edward Kawamura, President
Kauai Veterans Council

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJELEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

WE ARE AGAINST ANY OF YOUR FLEET ACTIVITIES
ANYWHERE YOUR STAR CARS PRO IS BASED.
TO ~~THE~~ OSC REAGAN'S WORDS. GO WATCH THE
MOLE AGAIN — YOU MISSED THE END.

MICHAEL SUESSMAN
ANAHOLA, KAUAI

It's disturbing that many of the PMRF employees are displaying obnoxiousness and immaturity tonight. Also, several of them are smelling of alcohol, which must explain their actions, being that PMRF hires adult employees. One particular man was threatening an older woman earlier, and using obscene language. I don't know what you can do to stop it, but please remind these people that they are representing ~~the~~ PMRF in an extremely negative fashion.

Matthew Kaepic, Jr.
467c Mailihuna Rd
Kapa'a, HI 96746
823-1963

Written Comment Sheet.

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

THANK YOU FOR HOLDING THE PUBLIC HEARING.

I AM OPPOSED TO STAR WARS / MISSILES
ON KAUAI.

HOW MANY TIMES DO WE HAVE TO SAY THIS BEFORE THE GOVERNMENT LISTENS?

Name MARY MULHALL
Address 120-A CROSSLAY HAPPA, HI 96746

City/State/Zip Code _____

Street Address _____

City/State/Zip Code _____

Street Address _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

KA'U - KEEP STAR WARS
OF KAUAI.
JUST SAY NO!!!

Name Carolyn
Address Honolulu, Hawaii 96765

City/ State/Zip Code _____

Street Address _____

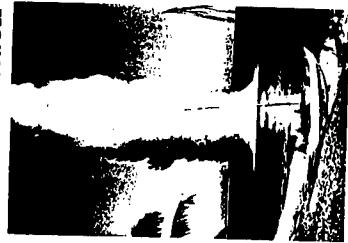
City/State/Zip Code _____

Street Address _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

EX18

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEN ATOLL

Sirs,
We are totally against Star Wars
activities on Kauai. The issue of
ozone destroying the ozone must be addressed!
Postal Sussman

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I don't want to have star wars for our kids
to pollute the air and
ocean. NO STAR
WARS ON KAUAI.

Thank you for
Thinking about
us kids
Name Kyle
Address 226 Hob St.
Street Address
City/State/Zip Code
Age 967yc

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX17

EX20

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO ROCKETS

Name Markus Hanafi
Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

NO ROCKETS

Name Rod Langford
Address Robert Rod Langford
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX19

EX21

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1

J. H. D.

ROCK ISLAND

(A)

Name Susan L. Wadze
Address 714 E. 1st St., RR 5, Box 41, 72701
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX22

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1

*ALOHA - SINCE I WAS A LITTLE KID (I WAS BORN
IN 1960) I'VE BEEN HEARING ABOUT SIGHTED ALIENS
OUR LIVES AND PEACE ... I HAVE WORKED
TO TRY TO FIND OUR ENVIRONMENT ALL
THAT AND BULK - STILL 20,500 CENSUS
PLAZ THE SHREWS AND THAT IS A SMALL
FRACTION OF ONLY PROBLEM - THERE ARE 15,000
SIGHTING BUT OUR SIGNIFICANT (WE ARE LONE
TO HIS OWN CITIES AND EXAMPLES) AND
PEACE AND ECOLOGY SEEM FAIRLY ANONYM
EVEN, EVEN OUT OF STATE.
IS THIS COUNTRY FOLIATED ON WHAT GOD WANTS →*

Name Susan L. Wadze
Address P.O. BOX 1693 HUNTSVILLE AL 35814
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I say "no" to stars on Kauai
It is born of a mentality that is pushing
humanity toward self destruction in the name
of profit, "economy" or "defense". I know we + .13
top can stand for. The economy but it is not
fair. They represent hearts given to serving God
+ His creation.

His administration to have one another would
be better served by a new approach. To be conquer
civil, sprung conquer need. The peace of God
triumph over the forces of our world sinners.

Name Kim Sine

Address Box 478 Hanalei Ht 96714
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Annelie F. Hazlett
PO Box 366
Waimea, HI 96796
(808) 338-9888

EX26

TESTIMONY FOR THE STARS DRAFT EIS REVIEW

1
Thank you for allowing me to submit my written testimony for the DRAFT EIS for the STARS launches.

I support the STARS Program and the Pacific Missile Range Facility. I have reviewed the Draft EIS for the STARS program and I am convinced that there would be no significant impact caused by the STARS launches. In fact, I am convinced that a far more negative impact to the Island of Kauai and the State of Hawaii will occur if the protesters to the launches are allowed to stop STARS launches from taking place.

The commanding officer of PMRF has said that the STARS program provides a portion of the budget for PMRF, but that PMRF will not be affected if the STARS program were not there. I DO NOT AGREE.

First, the CO is a military career person who is at PMRF for a short time only, and he will be moved to another assignment when he leaves Kauai. I am convinced that the CO is parroting what his superiors direct him to say. I am also convinced that he has no vested interest in the people of Kauai, especially those who have given many years of their lives in support of programs at PMRF and the entire populace which would feel the economic impact if PMRF were to close.

My reason for concern is that this case has the potential to be like that of the old story: "For want of a nail the shoe was lost, for want of a shoe the horse was lost, for want of a horse the battle was lost, for want of the battle, the war was lost."

I BELIEVE THAT THE PEOPLE PROTESTING THE EIS HAVE AS THEIR LONG TERM GOAL THE CLOSING OF PMRF, AND STOPPING THE STARS MISSILE LAUNCHES IS JUST THE FIRST STEP!

As a concerned citizen of Kauai, I wish to go on record in SUPPORT OF THE STARS MISSILE LAUNCHES and the Pacific Missile Range Facility.

Annelie F. Hazlett

FRANCES N. FRAZIER
4120 OMAO ROAD
KOLOA, KAUAI, HAWAII 96756

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D. R. Gallien)

Dear Sir:

On the subject of the launch of strategic target system vehicles from Hana on Kauai, I suggest that not enough attention has been paid to the significant impact which will be made on the cultural resources found within the installation. I quote from page Es-3 of the Executive Summary of the Draft Environmental Impact Statement for the Strategic Target System:

CULTURAL RESOURCES

The entire land area of KTF [Kauai Test Facility] and PMRF [Pacific Missile Range Facility] could be considered archaeologically sensitive because of the cultural resources found within the installation.

As well as the cultural resources found within the area a body of written literature exists which confirms the value of the entire area, as was discovered by Aletha Kaohi and Kalani Flores when they contracted to research the area.

Furthermore, there will certainly be a demonstration by persons of Hawaiian descent who in January 1993 will be marking the 100th year of injustice arising from the overthrow of the Hawaiian monarchy, and the breach of trust committed by the Federal, Territorial and State governments. Organizations such as Ka Lahui Hawaii and others devoted to the concept of self-determination for Hawaiians and management of our own land are very much interested in the Ahupua'a of Waimea in which the PMRF is located. The status of that land on which the Kekaha Sugar Plantation now exists, as well as

EX27 (cont.)

the PMRF is in question.

I personally am inclined not to deny the existence of PMRF as long as Hawaiians are allowed a corridor to the sea from which subsistence can be gained. PMRF seems to have been a good neighbor and a good source of employment for Kauai people, but by their existence, there irreparable damage has already been done to the cultural resources.

However, the expansion of use of the area by the Strategic Defense Command for a stated period of ten years is an intolerable extension of intrusion into an area which was leased to the PMRF. And like the legendary camel which got its nose into the tent, the first thing you know he'll have the whole tent. The people of Kwajalein may or may not have been given the courtesy of an EIS but we here on Kauai have certainly been granted that favor and I, for one appreciate the favor but reject the proposition that we be the hosts of a questionable venture which will not preserve the quality of life most of us on Kauai wish to have.

Finally, we no longer have the united might of Russia to worry about, but we are in a much more dangerous position as regards the whole world situation since now, instead of facing the predictable we are facing the unknown. I suggest there might be a better way to spend our tax money on defense.

Frances N. Frazier
Frances N. Frazier
4120 Omao Road
Koloa, Kauai, Hawaii 96756

March 24, 1992

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Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have not had an opportunity to study the EIS I have been dictating to the creation here on this issue. We are living on an animal strategically placed soil and can understand the radiation issues and our society and the users fears of crossing their territory. I believe that this base has been mentioned until recently, now and is necessary for our society. I don't believe this base will be significantly increased if we do not improve the SEERS programme. I do strongly feel that this attacking point is not sufficient as has already been addressed →

Name BARRERA JARVIS

Address 5631A Hanalei Rd Kauai HI 96746
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

As a citizen of this country, and a resident of Huntsville, for 14 years, I feel this missile testing is too risky for its veterans. It's time for our engineers to collectively focus in design - and it should be upheld right in our neighborhoods and communities. ~~It~~ Now is the time, to save our planet we've done too much damage already. Please listen to the voice of the people who want to make a difference for our environment. The testing of the missiles here do not dominate our care that we want for our Mother Earth. No living!

Name Dawn Scott
Address 10015 Volenua St. Kapaa HI 96740
City/State/Zip Code
Street Address

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX30

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1 []
We want a safe, risk-free place in the chances of pollution of all kinds are not worth having. STARS here

City/State/Zip Code
Street Address

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EX30

March 25, 1992

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Attention: CSSD-EN-V (D. R. Gallien)

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is as unnecessary as it is expensive. We are in peace, not war. The only nation that has the capability of long range missiles is now no longer an enemy but a friend. That nation is itself according to a recent article in the Honolulu Advertiser, considering stopping all missile testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion, we, here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the danger such a depletion would engender to ourselves, our family and friends. Also, our tourist industry would cease to exist if that happened, as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missile misfires or goes on an incorrect trajectory. What if it hits Niihau, or falls over a populated area of Kauai. The greatest casualties our nation suffered in Operation Desert Storm was from our own Patriot Missiles and the debris that fell on the barracks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Niihau.

Lastly, although the Marshalls Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumane treatment and apartheid. If you have not seen the film "Home On The Range", please do so. It is a testament to our failure as a nation to respect another nation and its people. We take pride in our nation

Page 2
March 25, 1992

EX31 (cont.)

and feel we are compassionate people and follow the Golden Rule to treat other nations as we would be treated. Yet, here we are the bully, and as an American I am ashamed.

I ask that you consider these words and act accordingly, with good conscience, as to what is in the best interest, not only of our nation, but all nations on this planet earth.

Thank you for allowing me to share my concerns.

Sincerely,

Carmela Tuck
P.O. Box 276
Koloa, Kauai, HI 96756
(808) 742-9618

1

2

3

4

5

EX3

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up
the count.

John O. Green

1

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up
the count.

Signature: *Jeanne Clark*
Print Name: Jeanne Clark

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

We do not need more depletion of ozone due to these rockets over Kauai.

We do not need the military "hushing up" botched launches.

We do not need the noise debris & lies brought here by the military.
There are too many people & asthma, & skin cancer all ready on this island. Don't add to the list of ailments by bringing bi-products of these missiles.

DON'T RUIN KAUAI PP
NO MESSISES PP

Name Cat Sherman RN

Address Po B 828 Kapaa HI 96746
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Street Address _____
City/State/Zip Code _____

Name P. Crawford
Address P. O. Box 1210
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

City/State/Zip Code _____

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

AS A FAMILY ON KAUAI: IT MUST LOOK AT LONG TERM EFFECTS WE DO NOT WANT TO BE A GIVE UPS FOR THE MILITARY WHO HAS FIRED ON SECTION OF ISLANDS WITH OUT TAKING ANYTHING.

City/State/Zip Code _____

Name P. Crawford
Address P. O. Box 1210
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

City/State/Zip Code _____

MARCH 25, 1992

MEMBERS OF THE PANEL, LADIES AND GENTLEMEN. MY NAME IS WILLIAM T. HONJIYO AND I REPRESENT MYSELF AS AN INDIVIDUAL. I WAS BORN AND RAISED HERE ON KAUAI AND CURRENTLY, I LIVE ON THE WESTSIDE, IN HANAPEPE. I AM A BUSINESSMAN AND FORMERLY A U.S. ARMY OFFICER WITH THE RANK OF LT. COLONEL. I AM A COMBAT VETERAN WHO HAS BEEN AWARDED THE SILVER STAR MEDAL FOR GALLANTRY IN ACTION, PLUS I HAVE NUMEROUS OTHER AWARDS FOR VALOR AND MERITORIOUS SERVICE. I DO QUALIFY AS A RESIDENT OF KAUAI AND A PATRIOT WHO BELIEVES IN THE IDEALS OF OUR COUNTRY.

FOR THE RECORD, I AM IN FAVOR OF THE STRATEGIC TARGET SYSTEM. I DO BELIEVE THAT OUR NATIONAL DEFENSE SHOULD ALWAYS BE "SECOND TO NONE."

I AM CONCERNED WHEN THERE IS AN ORGANIZED MOVEMENT OF PEOPLE AND MONEY FROM THE OUTSIDE TRYING TO NEGATIVELY INFLUENCE OUR NATIONAL DEFENSE AND THE LIVELIHOOD OF THOSE WHO ARE PRESENTLY GAINFULLY EMPLOYED WITH THE PACIFIC MISSILE RANGE FACILITY. THOSE TO WHOM I AM REFERRING, I WOULD SAY, "YOU ARE FORTUNATE FOR THERE WAS A STRONG MILITARY FORCE THAT FOUGHT FOR YOUR FREEDOM AND FREEDOM OF SPEECH. HAD THIS BEEN 30 YEARS AGO, YOUR ACTION MAY HAVE BEEN CONSTRUED TO BE SUBVERSIVE."

I HAVE READ THE DRAFT E.I.S. DATED FEBRUARY 1992 AND AGREE WITH THE FINDINGS THAT ANY IMPACT IS NOT CONSIDERED SIGNIFICANT. I DO BELIEVE THAT THE MILITARY HAS DONE AN EXCELLENT JOB IN PREPARING THE E.I.S. AND THAT WE SHOULD ACCEPT THE FINDINGS AS PRESENTED.

**STRATEGIC TARGET SYSTEM
PACIFIC MISSILE RANGE FACILITY**

TESTIMONY
OF
WILLIAM T. HONJIYO

March 25, 1992

I BELIEVE IN A STRONG UNITED STATES OF AMERICA AND THE BENEFITS THAT THE STRATEGIC TARGET SYSTEM PROJECT WILL PROVIDE FOR OUR ECONOMY, NOT ONLY ON KAUAI, BUT FOR THE STATE OF HAWAII. THE ECONOMY OF KAUAI IS AT STAKE. A MILITARY POST OR STATION CANNOT SURVIVE WITHOUT A MISSION. LET US NOT FOOL OURSELVES. BASE CLOSURE NEEDS A SLIGHTEST REASON BECAUSE OF BUDGET CONSTRAINTS AND OTHER INSTALLATIONS READY TO TAKE ON THAT MISSION. WE NEED TO REALIZE OUR ECONOMY ON KAUAI NEEDS THE PACIFIC MISSILE RANGE WITH ITS ADDED MISSION.

1

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I fully support the STAR's flight plan and feel that the EA + EIS should include all environmental, health, social, economic impacts for Kauai.

Let's get the shuttle flying like it's 1962!

Name Vicki Morrison
 Address P.O. Box 412, Kekaha Kaihi, Hawaii 96755-2
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D.R. Gallion)
P.O. Box 1500
Huntsville, Alabama 35807-3801

P.O.B. 189
Anahola, Kauai
25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of an age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kauai, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missile Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself b) the long-term and wide-range consequences to PMRF and c) the national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude. I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possession of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious

history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, *kaua* in ancient Hawaii, to name only two. Now we can add Pacific islanders, Micronesians and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kauai's citizens by destroying those of Kwajalein?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajalein regain their homes, and to help native Hawaiians on Kauai re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajalein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't any of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you re-consider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellow-citizens' compassion and help.

Heu'ionalani M. Wyeth

Ex41 (cont.)

Nanette Slavin Kaumoana
P.O. Box 279; Hanalei, HI 96714

Deputy Commander
U. S. Army Strategic Defense Command
Attention: CSSP-EN-V
Post Office Box 1500
Huntsville, Alabama 35807-3801

Dear Sir,

I am writing regarding the proposed STAR launches on the island of Kauai which is my home to urge you to seriously consider the no action alternative which would allow PMRF to continue its present operations and missions and would not impact our island adversely as will the proposed STARS deployment.

In my earlier communication to you and public testimony I urged the army to be as sensitive to the religious sensibilities of the native Hawaiian people as they were, then, toward the Islamic shrines in Iraq. Nohili Dunes is the jumping off place to Po, the afterlife in the Hawaiian cosmology, and the only such Place on this island. The area is therefore sacred religiously and it is important both culturally and sociologically to the local Hawaiian community.

Almost one hundred years ago the United States, having economic use for these islands collaborated with a cadre of American business men and disenfranchised the majority of the local population, voted itself in and took over this sovereign land of many islands by bringing in the Marines and imprisoning the Queen. Fifty years ago (or thereabout) the U.S. took Kahoolawe for its' own to bomb at will for a test site. Now the government wants to take our island and put it at severe risk in order to "use" it.

We are tired of being used. The vast outpouring of vocal opposition has certainly been heard in Huntsville and in Washington. Yet, in a government of, by and for the people, the voices of the people directly impacted are being ignored. Unfortunately, I truly believe these initial proposed launches are only the beginning of a long term plan that will greatly enlarge the army presence on our small piece of land. I base this fear in part on a news article.

The Sunday March 8, 1992 edition of the Star-Bulletin & Advertiser informed us that "Hawaii may be one of seven states to host a Strategic Defense Initiative if Pentagon advocates of the system get their way." The article continues: "For Hawaii, the plan would mean a land-or ship-based Star Wars installation, including a giant radar system, and possibly 100 rocket interceptors that could destroy incoming missiles, according to the

SDI Organization spokeswoman, Maj. Carolyn Channave. The plan calls for Hawaii's station, one of seven around the country, to begin operations between 1998 and 2002."

Hopefully this is a worst case scenario that will never occur but it is hard for us as citizens to believe that Major Channave's comments do not apply to PMRF. The actions of the U.S. government and the U.S. Army are unconscionable in planning to proceed with plans fraught with danger to the inhabitants and ecology of this island. I urge you to stop alienating the citizenry and start listening to it. The People of Kauai speak with almost a single voice and the voice is shouting NO. Please listen.

Sincerely,
Nanette Slavin Kaumoana

Nanette Slavin Kaumoana

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THE LEAGUE
OF WOMEN VOTERS
OF HAWAII

Testimony to the U.S. Army Strategic Defense Command
Lihue, Kauai, Hawaii, March 24, 1992

The League of Women Voters believes that natural resource management policy-makers must take into account the ramifications of their decisions on the nation as a whole as well as on other nations.

The League works to limit reliance on military force in international relations, and gives priority to reducing the risk of war through support of arms control measures. Further, the League avers that the defense budget that the public and our debt are supporting should reflect the astonishing changes in world security.

The League has studied arms control. Its resulting support of arms control has focused primarily on stopping the Strategic Defense Initiative missile defense plan. Although not opposed to all defensive weapons research, the League strongly opposes the program as contrary to the purpose and provisions of the 1972 U.S.-Soviet ABM Treaty. SDI is an extremely costly and destabilizing program that undermines the very essence of arms control.

The original 1983 vision of President Reagan of SDI's "rendering...nuclear weapons impotent and obsolete" has gone, as the limits of science and federal funding were revealed and program goals became clouded and controversial. Some, including the former Soviet Union, see the SDI as offensive. And even if SDI were feasible, research giving way to development and testing of related missile defense technologies abandons the ABM Treaty.

49 SOUTH HOTEL STREET, ROOM 314 • HONOLULU, HAWAII 96813 • PHONE: (808) 531-7448

The League of Women Voters of Hawaii to U.S. Army, 3/24/92, p. 2

EX42 (cont.)

We of the League of Women Voters of Hawaii are particularly distressed that Hawaii has been used in SDI activity and may be further entangled in ten years through the proposed STARS program that may specifically negate the ABM Treaty. Defiance of the ABM Treaty will cost \$billions sought for weapons that violate it, as well as the safer world we seek. And now you want an SDI system installation in Hawaii.

The U.S. must reduce its readiness for and use of military force in international relations in this special moment of opportunity to de-escalate the world arms race. If missiles, why space-based, which are far more expensive and more prone to disaster than ground-based systems like the Patriot? You know SDI has been nine years and \$30 billion of failures.

Since PMRF is in ceded Hawaiian land, and the nation of Hawaii was obliterated with an illegal U.S. military act, why not use the \$160 million not to put our Island and our peace and health at risk, but to build homes for Hawaiians who are homeless and those that have been waiting for years--as a Centennial reparation?

Thank you,

Deborah Kinbach

SIERRA CLUB LEGAL DEFENSE FUND

TESTIMONY

PRESENTED BY: **sierra club Legal Defense Fund**
RECIPIENT: **United States Army Strategic Defense Command**
RE: **Draft Environmental Impact Statement for the**
strategic Target System
LOCATION: **Lihue, Kauai**
DATE: **March 25, 1992**

The Sierra Club Legal Defense Fund is a public interest, environmental law firm that is presenting testimony on behalf of the Sierra Club, 1000 Friends of Kauai and other environmental groups and concerned individuals. We are the attorneys of record for the environmental plaintiffs in the federal lawsuit concerning the Strategic Target System Program entitled *Sierra Club v. Chaney* (D. Haw. Civil No. 90-00761 DAE; 9th Cir. Docket No. 91-15978).

Our clients and others will present testimony to you on the many deficiencies in the Draft Environmental Impact Statement ("EIS") for the Strategic Target System ("STARS") dated February 1992. We urge you to consider these comments carefully, to recognize the inadequacy of this document, and to rethink the advisability of proceeding with your ill-conceived plan to launch STARS vehicles from the Island of Kauai.

Rather than repeat the comments of our clients and other interested citizens (which we fully endorse), our testimony will focus on two important legal issues regarding this Draft EIS and the overall EIS process. We encourage you to pay special attention to these comments because, if you do not, you risk an immediate judicial action against you in federal court.

Congress directed the Secretary of Defense and the United States Army (collectively "the Army") to prepare this EIS through a specific instruction in the Department of Defense Appropriations Act of 1992, Public Law No. 102-172 (approved on November 26, 1991). Specifically, Congress prohibited the Army from spending any further funds on the STARS program until an EIS has been issued "that complies with the requirements of the National Environmental Policy Act (42 U.S.C. §§ 4321, et seq.), and the Executive orders issued, and regulations promulgated to implement such act." See section 8093A, Pub. Law No. 102-172, 105 Stat. 1150, 1156.

EX43 (cont.)

Unfortunately, the Army now takes the position that, unlike all other EIS documents prepared under the National Environmental Policy Act ("NEPA"), the Final EIS for the STARS program is completely immune from judicial review. According to the Army, this EIS is purely voluntary and gratuitous, and therefore cannot be challenged by any citizen in a judicial proceeding, even if the Final EIS violates NEPA. In taking this position, the Army ignores both the fact that this EIS is not truly "voluntary" (rather it was mandated by Congress) and the fact that Congress envisioned that the EIS be legally adequate and defensible under NEPA.

In essence, the Army is seriously misleading the public. On the one hand, the Army assures the public the State of Hawaii and Congress that it is fully protecting their environmental, social and cultural concerns by doing a full EIS under NEPA. On the other hand, since the Army contends that this EIS will not have to undergo the rigorous scrutiny of judicial review contemplated by NEPA, the public's concerns and rights are not in fact being safeguarded in the manner prescribed by NEPA. This duplicity thoroughly undermines the STARS EIS process; the Army can violate (and is violating) NEPA by preparing a deficient EIS, but the Army asserts that no citizen can challenge or remedy these deficiencies through the legal process set up under NEPA.

In sum, the Army's position that this EIS cannot be challenged in a court torpedoes the credibility and integrity of the document. Your paternalistic "plantation owner" mentality ("trust us -- we will look out for your interest without any need for judicial review") is not only out-of-step with modern Hawaii, but it also defies the explicit commands of Congress. Finally, and perhaps most importantly, this novel position has not one shred of statutory or case law authority to support it. By preserving the rights of Hawaii's citizens to vindicate their important rights under our nation's environmental laws.

The second legal point we raise here relates to your obvious failure to discuss and analyze a full range of alternatives to the launching of rockets from Kauai, as required by NEPA. Unfortunately, in its Draft EIS, the Army chose to limit its discussion of alternatives to consideration of the "no action" alternative and to alternative launch sites.

The proposed STARS program, which integrates retired booster motors and a substantial number of newly developed subsystems, has not been tested and is currently in the experimental stage. The Polaris booster motors -- currently being proposed for use in the STARS program -- are over 20 years old and exhibit characteristics typical of aging solid propellant motors. Aging may increase the likelihood of malfunctioning launches and accidents, thereby posing significant risks to

public health and safety. Testing and design reviews conducted by Sandia National Laboratories and Propellant Analysis Laboratory at Hill Air Force Base indicate that first- and second-stage booster motors showed significant signs of deterioration. Failure rate among the first-stage booster motor could be as high as 50 percent, due to deterioration of motor cases.

One of the alternatives that had previously been considered by the Army was not included in the Draft EIS was the substitution of new or remanufactured booster motors for refurbished surplus Polaris A3 motors, which are currently proposed. This omission is a serious one, and we strongly recommend that the Army include all reasonable alternatives in its Final EIS, as required by NEPA.

Thank you for this opportunity to present testimony on the Draft EIS for the STARS Program. Please feel free to contact us if we can be of any further assistance.

Strategic Target System Draft Environmental Impact Statement

Written Commitment Sheet

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please clarify:

Once the final EIS has been submitted,
and the waiting period has passed, who
makes the final decision to proceed or no.

Name		<i>Steve Hansen</i>	
Address			
City/State/Zip Code		Huntsville, Alabama 35807-3801	
<p>Please hand this form in or mail by April 13, 1992 to:</p> <p>Deputy Commander U.S. Army Strategic Defense Command Attention: CSSDEN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801</p>			

Address _____ Street At _____

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CHY/SARAH/ZHOU

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3601

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EX45



COUNTY COUNCIL
 RONALD KOUCHI, CHAIR
 RANDAL G.B. VALENCIANO, VICE CHAIR
 BILL LAPIO ASING
 MAXINE CORREA
 JESSE FUKUSHIMA
 MAURICE MUNICHIRIA
 JAMES TEADA

4396 RICE STREET, SUITE 206
 LIHUE, KAUAI, HI 96766-1399

March 25, 1992

United States Army:

My name is Ronald Kouchi, member and Chairman of the Kauai County Council, and I would like to thank the U.S. Army for pursuing an EIS for this project.

The County Council recently submitted a letter, which was signed by myself as well as the other councilmembers, to Hawaii's Congressional Delegation in support of the continued use of PMRF as a viable and strategic military training facility.

Further, the County Council will be providing testimony in support of a proposed State Resolution on Friday, March 27, 1992, urging the President and Secretary of Defense to maintain PMRF as the United States' foremost missile range facility and requesting Hawaii's Congressional Delegation to do everything in their power to preserve the integrity and capability of PMRF.

As indicated above, I remain committed to support the continued viability of PMRF.

sincerely,

RONALD KOUCHI
 Council Chair

RW/ao

EX46

Written Comment Sheet

**Strategic Target System
 Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*THIS SHOULD NOT BE
 DONE*

[Redacted]

[Redacted]

[Redacted]

Name RONALD KOUCHI
 Address P.O. BOX 1174 KALAKAEO KAUAIE KAUAI
 Street Address 96741
 City/State/Zip Code

Please hand this form in or mail by April 13, 1992 (cc)
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSD-EN-V (D.R. Gallen)
 P.O. Box 1500
 Huntsville, Alabama 35887-3801

It's hard to hit a moving target but that's exactly what Star Wars promises to do. I submit that the moving target is not incoming ballistic missiles but the ever changing goals of the Star Wars program itself.

Almost nine years ago to this date, on March 23 1983, Ronald Reagan described his vision of "intercepting and destroying strategic ballistic missiles before they reached our own soil. \$30 billion later, there's evidence that the Strategic Defense Initiative Office, saw the flaws all along--and knowingly masked the program's failures and oversold its progress just to keep the money rolling in.

Sinclair 23
 Aldric Saucier, chief scientist for Advanced Technology, concludes that Star Wars will never provide an impenetrable umbrella against nuclear missiles. Immediately after testifying before a senate subcommittee about gross mismanagement in SDIO Saucier was fired and then reinstated pending an investigation of his charges.

Defense Department advisers such as physicist Richard Garwin of IBM have pointed out that a perfect nuclear shield defied the laws of physics. Claims for SDI, says physicist Theodore Postol of MIT, have "proven to be false and made without technical or scientific merit."

Quietly, secretly, SDI did what might charitably be called "evolve." SDI lowered its sights in 1987 to discourage, not block, a massive Soviet missile attack. SDI switched course again in 1990 with the introduction of Brilliant Pebbles. In 1991, SDIO conceded that Pebbles could protect America only against limited ballistic-missile attacks. Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research-and-development money flowing." That required secrecy. "If you keep all the technical data under wraps its easy to keep it funded."

After nine years and 30 billion dollars the Star Wars defense effort has "evolved" from providing an impenetrable defense umbrella into a bloated military pork barrel. Star Wars is nothing more than an expensive welfare program for the military/industrial complex. Let's get these people off the taxpayer's dole and put them to work doing something more productive than oppressing our brothers and sisters in the Marshall Islands.

Ed Coll

1
 My family has been living on Kauai for 4 generations - 5 generations if you count my children. I am a Vietnam Era Veteran who served in Southeast Asia from August 1967 to August 1968 with the U. S. Air Force. I joined the Hawaii Air National Guard in October 1969 and presently serve as commander of one of the Hawaii Air National Guard units on Kauai.

As the senior ranking member of the Hawaii National Guard on the island of Kauai and a representative of all National Guard units on Kauai, the State of Hawaii and across the Nation, we acknowledge the outstanding work done by the Pacific Missile Range Facility at Barking Sands; and the outstanding support we get as members of the National Guard from all those who work at the P.M.R.F.

THANK YOU VERY MUCH!

"I've been spit on by senior Army officers, shaved up against a wall, and elbowed in the head & the neck so hard that I had to get medical treatment." Sacuris said in a interview last Friday. This is the treatment遭受) an American citizen who dares to speak against the military/industrial complex. They say he is incompetent. If it took 8 years to find his out who is incompetent?

Strategic Target System Draft Environmental Impact Statement

Written Comment Sheet

1

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

QUESTION:	WHY CAN'T THE BEACH ACCESS ISSUE BE MITIGATED BY SELECTING LATE NIGHT / EARLY MORNING LAUNCH WINDOWS?
-----------	---

City/State/Zip Code

Street Address

Name Richard IrwinAddress 3441-AEC ST KALAHOO 96741

Please hand this form in or mail by April 13, 1992 to:	Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-ENV (D.R. Callen) P.O. Box 1500 Huntsville, Alabama 35807-3801
--	---

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*My Name is Major Lu Rui. I'm a resident of Kauai. I attended
to the Island to have seen damage to our
Kauai has changed so much and yet they still
have no regard of my family and friends need there and I don't
want them to end up like what happened to
Oahu. I am very angry to walk out here by myself,
I just have a spirit without the thought of one of the natives would
do anything bad because some experts of the Pacific Missile Range Facility
we all should work together is a chain and not against each other.
What are going to do, all join hands and catch the poison
Please when they come or go we going to let the military know
and support each other. Do you know why few months ago
on the North side of the Island of Kauai? cause they build a fuel
3 acre man.*

Name Gilbert Lao D. Ruiz
 Address P.O. Box 1114 Ke Kaha, KAUAI HI 96752
 Street Address _____
 City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSDEN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

LIVE LONG AND PROSPER!!!

I am D.M. Rita of KeKaha.

I am not here to talk at Lt. Col. Manguso of the United States Army. I am here to tell you OPEN YOUR EYES!

There are many pressing issues we need to confront NOW!

EDUCATION:

STOP gang violence and drugs in the schools!
STOP crime on the streets!

How many tourists visit Kauai to never leave alive.
How about our friends and neighbors killed every day.

How about birth defects?

Stop drug abuse and illegal chemical spills. *None*
BIG BUSINESS, RUH!

FEED our hungry, stop foreign aid!

Go to hell! Don't take
our money to help them
Save the environment.

The major cause for extinction in any environment is loss of habitat. RANDOME BAY on Oahu, for example. In five to ten years time the entire reef habitat was destroyed by runoff from construction and development. BIG BUSINESS AGAIN!

protect the environment.

Get rid of all cars, get on a bicycle or walk. These are things that need to be confronted NOW!

My family is an Army Family touched by many wars including Vietnam and Desert Storm, and we are proud of our Country, so don't knock the military who has gone to war and protected our freedom of speech. Don't knock the Stars Program that is trying to save lives by stopping nuclear warheads before they destroy us.

Instead of wasting precious time in conflict with each other, let us join together to stop the worst killer of all. As I speak now, how many people will die of AIDS? STOP AIDS NOW!

Pacific Missile Range Facility has been on Kauai for 28 Years with no major mishaps. How do we know if any mishaps will occur in the future? Take care of territory, problems will only con't create problems for tomorrow! Let's proceed ONE STEP AT A TIME - Don't guess at the Future ... TAKE CARE OF NOW!

I support the military at PMRF and I support STARS!

Ex52

FROM PAUL HAYDEN ASSOC I'm John Riley, from familiar w/ Site 10AES project because my father Frank Riley was chief engineer of Leland Stanford Junior University's **Comments on Draft EIS for the STARS Program**

The Draft EIS has identified numerous significant impacts of the STARS Program and a number of serious hazards. It lists actions to be taken to mitigate the effects and minimize the risks.

what is absolutely clear, however, is that some impacts and risks remain. The document does not quantify the reliability of the Polaris first stage, for example, but we know it's not 100%. Previous Army claims of 97%, even if believed, would still result in a 70% probability of at least one catastrophic failure in the planned 40 launches.

The document also makes it clear that these impacts are potentially unnecessary. The DEIS concludes that the "No Alternative" would be far preferable from an environmental perspective. It turns out that this alternative would be far more separable from national security perspective. For over a decade I have opposed Star Wars and the SDI program which grew out of it because they made nuclear war more likely.

Global Protection Against Limited Strikes (GPAIS) can do nothing to protect the people of the United States from nuclear terrorism. If I was an international terrorist, and I finally got hold of a bomb, the last thing I would do would be to start a 15-year development program to build an Inter-Continental ballistic missile to deliver it. I would just float it up the Potomac on a barge, or to Wailuku, ~~Hawaii~~, on an outrigger ~~canoe~~. ~~SPRS~~ and "Star Wars" weapons do nothing to neutralize such threats.

FROM PAUL HARVON ASSOC
I'm John Riley Jr. familiar w/ STATE LIARS Project because my father Frank Riley was chief engineer at Laddco specifically for comments on Draft EIS for the STARS program. STAR WORKS

by Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.

The Draft EIS has identified numerous significant impacts of the SPARS Program and a number of serious hazards. It lists actions to be taken to mitigate the effects and minimize the risks.

What is absolutely clear, however, is that some impacts and risks remain. The document does not quantify the reliability of the Polaris first stage, for example, but we know it's not 100%. Previous Army claims of 97%, even if believed, would still result in 20% of the time.

In a 10-p. percentage of all reactions catastrophic failure in the planned 40 launches.

You simply cannot carry on such activities in such a unique and ecologically sensitive location without serious impact.

The document also makes it clear that these impacts are totally unnecessary. The DIRS concludes that the "Do Nothing Alternative" would be far preferable from an environmental perspective. It turns out that this alternative would also be far

preferable from a national security perspective. For over a decade I have opposed "Star Wars" and the SDI program because they made nuclear war more likely.

Star Wars is still isolating us from the world, redefining our image as world bully, and draining resources and brainpower from the civilian space program and commercial high-tech industry. And it still has no place in education.

Global Protection Against Limited Strikes (GPAIS) can do nothing to protect the people of the United States from nuclear terrorism. If I was an international terrorist, and I finally got hold of a bomb, the last thing I would do would be to target a populated area.

and the South we can start a multi-year development program to build an Inter-Continental Ballistic Missile on a barge, or to Walkiki on an outrigger, America, Potomac and Star Wars and Star Wars. But the weapons do nothing to neutralize such threats.

politicians and bureaucrats running the program, spurred on by the contractors who profit from it, are continuing anyway.

1 PAUL HOWDEN 08800

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One of the ironies of all this is that they don't need to use Kauai. There are many other ways to put those SMRs payloads into the proper trajectory if they insist on continuing the program.

One of the great failings of the Draft EIS is its failure to seriously address many of the other alternatives.

In particular, it is shocking to see the floating bags eliminated from the ocean platform and Miniceman III from Vandenberg options. This is a clear indication that the Air Force is not serious about the long-term viability of the Minuteman system.

Do the writers of this DERS really expect us to believe that of the Island of Kauai didn't exist, that there would be no DERS program, because no other alternative is even possible and no one can evaluate? This glaring falsehood calls into question everything else in the document. In the old days in the Congress, we had a description for a study like this one: "an exercise, you go through to justify a decision already made on political grounds." Nothing has changed in the last two decades.

The people of Kauai are not holding up GALS or the STARS program. They're just asking that it be done some other way that doesn't endanger their lives, their culture, their environment, and their livelihood. It is I who say "Don't do it at all." It is I who say "Don't do it at all." Lt. Col. Robert M. Boren, Ph.D., is President of the National Center for Space and Security Studies in Melbourne, Fla.

Izquierdo. From 1976 to 1978 he directed the "Star Wars" programs under Presidents Ford and Carter, when their existence was secret. His military career took him to 34 countries and 101 combat missions in Vietnam. His PhD is in Aeronautics and Nuclear Engineering from Cal Tech.

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3113 S. AIR HWY., Melbourne Beach, FL 32951; (407) 952-9500

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EX53. 1. AM LINDA CHINICHEL, DIRECTOR OF THE
 FOUNDERS OF HUI HOI NAMAU I KA ANNA. I
 LIVE IN WAINIHA LESS THAN 20 MILES, AS THE
 CROW FLIES, FROM MANA. I THANK GOD THAT I LIVE
 ON THIS BEAUTIFUL ISLAND AND LATELY HAVE MADE
 SPECIAL REASONS TO THANK HIM FOR THIS BEING
 PART OF A DEMOCRACY WHERE CITIZEN INPUT
 IS AT LEAST CONSIDERED. I LIVED IN MOROCCO FOR
 THREE YEARS WHEN THAT COUNTRY WAS FIGHTING FOR
 INDEPENDENCE FROM FRANCE. I LIVED IN INDIA FOR
 TWO YEARS SHORTLY AFTER INDEPENDENCE FROM THE CHINESE.
 ENGLAND WAS WON. MY MOTHER, MY FATHER,
 AND MY BROTHER ALL WORKED IN KWANTUNG
 AND BOTH OF MY DAUGHTERS WEAR CLOTHES —
 ONE IS A SERGEANT IN THE ARMY, THE OTHER IS
 A SERGEANT IN THE AIR FORCE. THESE THINGS HAVE
 ALL HAD A PART IN SHAPING MY SPECIAL MANA.Q.
 I AM OPPOSED TO THE STARS PROGRAM FOR ALL OF
 THE REASONS CITED IN THE LAST TWO DAYS & NIGHTS.
 THE ONLY ARGUMENTS I'VE HEARD FOR STARS HAVE BEEN:
 DEFENCE AND STARS. THE DEFENCE ARGUMENT HAS
 AS MANY HOLES IN IT AS OUR OWN WORLD GONE
 IF THIS PROGRAM WERE TO PROCEED. THE MILITARY'S GIVEN
 FREE DRINKS WOULD PROTECT US RIGHT OUT OF
 A HABITABLE PLANET. AS A PERSON WHO ALMOST
 NEVER DRINKS ACCORDING TO THE DAILY RATION I'VE EVER
 ENCOUNTERED DRINKING AN ALCOHOLIC IS HAVING TO LIVE
 IN THE UNKNOWN AND DIE. HOW ELSE BUT DRUGGED
 COULD A PERSON ENDURE THAT MISERABLE EXISTENCE?

EX53 (cont.)

1. SPRING PREDICTION MADE THEM SICK WITH
 AND CONVICTS OF THE RIGGNESS OF THEIR CLAIMS
 FOR DEFENCE AND STARS, BUT THERE ARE GOOD REASONS
 WHY MERE HUMAN SHOULD NOT HAVE GOD-LIKE
 POWERS OF DESTRUCTIONS, AND THE NUMBER OF JOBS
 RELATED DOES NOT JUSTIFY THIS PROGRAM. PEOPLE
 ARE ONLY PEOPLE . . . AND I KNOW YOU'VE ALL WORKED
 AT SOME TIME WITH SOMEONE WITH THE SLOWED
 REACTIONS OF A COW, OR HANG-OVER, OR THE
 DISTRACTION OF A FIGHT WITH A SPOUSE, OR THE
 WORRY OF A SICK CHILD. THESE VERY HUMAN CONVICTIONS
 COULD, WHEN SPLIT SECONDS COUNTS AS IN A WORST CASE SCENARIO,
 SPELL DOOM FOR KAUAI. SINCE THERE ARE SERIOUS PLANS
 IN THE DEFENCE THEORY, WHICH EIGHTY PERCENT OF
 KAUAI'S INSCRIE THAT IS TOURIST ORIENTED WOULD BE
 SET, ON THAT BASIS ALONE THE ARGUMENT FOR STARS IS OUTWEIGHED BY THE
 ARGUMENT AGAINST STARS.
 2. AT FOR THE EIS, I AM CONCERNED STILL ABOUT
 OUT-ROAD TRANSPORT OF LIQUID FUELS, SINCE
 THE ALTERNATIVE MAY NOT ALWAYS BE FEASIBLE
 IN BAD WEATHER. ARE YOU PLANNING ON CLOSING
 OUR ROADS OR JUST TAKING YOUR CARBINE WITH ONE
 POT HOLES AND CONFISCATE TOURISTS? HOW IS NEITHER
 WILL BE IN THE WORST PLACE AT THE WRONG TIME?
 AND OF COURSE YOU HAVE A "FLIGHT TERMINATION SYSTEM"
 AND AN ESTABLISHED GUARDED MARIJUANA PATCH AND MUNI-
 CITY OWNERS SOKE TO PROTECT THE PUBLIC FROM DESIRE
 TO TAKE LIQUOR OR A LIGHT TERMINATION, BUT THAT
 PRESUPPOSES FERTILE SOIL HAVE TO BE TERMINATED AND

WHAT GUARANTEES IF A FLIGHT HAS GONE WRONG, THAT IT WILL BE OVER THAT GROUND HAZARD AREA AND IN THAT FLIGHT SAFETY CORRIDOR? IT SEEKS OBVIOUS THAT IF A FLIGHT NEEDS TERMINATING THAT IT MIGHT VERY WELL BE, BECAUSE IT WAS HEADED IN THE WRONG DIRECTION AND WOULD NOT, THEREFORE, BE WHERE IT WAS SUPPOSED TO BE WHEN BEING TERMINATED, SO WHAT OR WHO ELSE MIGHT ALSO BE TERMINATED AT THAT POINT? THIS IS A SMALL ISLAND AND IN FAR TOO DELICATE A BALANCE TO DISTURB SUCH IRRESPONSIBLE MAN-HANDLING.

1. TOO, URGE YOU TO ALLOW PMRF TO CONTINUE ITS PRESENT PROGRAMS AND TO DECIDE IN FAVOR OF ONE NO ACTION ALTERNATIVE.

MAHAZO.

Helping①

1. Dr. Dominique Le Guyader - Prof. Doyen UH - Known to have been under contract of Dept. of Health to identify impact which seems to point to many for participation. However called meeting over, push and a commitment to do later. Sought EIS
2. EIS does not conform to NEPA standards. Pointed out that having them without ~~any~~ such provisions was provided by the State Constitution Article III, section 7. / This Chapter 7-1 / Chapter 174C-101 will submit in writing my best thought ^{what} of difference and why on article constitution.
3. Water resources - how much water will be consumed for fisheries, where will it come from, what kind of water rights impact on use of water for settling
 ④ Dams from thousands of hundred million gallons - not Indian sacred ground, tribal resources and lands
3. wild life, not much type of fauna & flora & vegetation and impact on seabirds, fishery 90 to 100 Ham Lake, Lake St. Paul, Prairie River, Northern Lake Superior where all major reproduction sites occur too much outside that basin.
4. The St. Louis River is located along St. Paul Superior. St. Superior - very severe impact.

INTRODUCTION:

My name is Larry Alwohi, a disabled original veteran
I am a retired U.S. Air Force Radar Repair Technician

I AM ALSO A DISABLED VETERAN AND A MEMBER OF CHAPTER 5 OF THE DAV
MY LAST ASSIGNMENT WAS WITH THE 3208 TECH/FACILITY TEST GROUP
3208 TEST SQUADRON, AC&W, GCI (AIRCRAFT CONTROL & WARNING-GROUND
CONTROL APPROACH, AFSC 30352C

THIS SQDN. WAS PART OF THE ARDC, AIR RESEARCH & DEVELOPMENT COMMAND
OUR MISSION WAS PRIMARILY RANGE CONTROL AND SUPPORT FOR THE VARIOUS
TEST WITH SUCH WEAPON SYSTEMS AS THE IM-99A&B "BOMARC" MISSLE; THE
GREEN QUAIL MISSLE; HOUND DOG MISSLE; THE VULCAN ELECTRONIC GATLING GUN
AS WELL AS SUPPORT TEST WITH THE ARM&NIKE, AJAX & HERCULES ANTI-AIRCRAFT
MISSLES. I AM THEREFORE WELL AQUAINTED WITH ELECTRONIC WEAPON SYSTEMS.

AFTER LISTENING TO LAST NIGHT'S TESTIMONIES I WOULD LIKE TO MAKE THE
FOLLOWING COMMENTS, AND RESERVE THE RIGHT TO MAKE MORE EXTENSIVE STATEMENTS
COVERING A HOST OF TOPICS WHICH ARE GERMANE TO THE ISSUES AT HAND, BUT
BECAUSE OF THE PARAMETERS OF TIME LIMITATIONS OF THREE (3) MINUTES, I WOULD
LIKE TO ADDRESS MY CONCERNs IN LETTER FORM BEFORE THE APRIL 13 DEADLINE

-2-

VETERANS FEELINGS AND ATTITUDES:

ALTHOUGH I DO NOT SPEAK OFFICIALLY FOR THE VETERANS AND DISABLED VETERANS
OF KAUAI, I KNOW THAT THOROUGHLY SUPPORTIVE OF THE MISSIONS PERFORMED BY THE
TECHNICIANS AND AERO-SCIENTISTS INVOLVED WITH THE SDI PROGRAM CONDUCTED @
PMRF, AS WELL AS, THE OTHER TEST LAUNCHES AND DEFENSIVE EXERCISES IN THE TEST
AREAS ADJACENT TO THE BASE. THESE VETERANS HAVE SERVED THEIR COUNTRY LOYALLY,
AND GAVE OF THEMSELVES WHEN CALLED TO ARMS. SOME OF THEIR COMRADS GAVE THE
ULTIMATE SACRIFICE,...THEIR LIVES!

THEIR DREAMS AND HOPEs WERE THAT THEIR CHILDREN, AND THEIR CHILDREN'S
CHILDREN WOULD BE ALLOWED TO LIVE FREE FROM WARS, AND THE THREAT OF WARS.
HOWEVER, BECAUSE OF THE VARIOUS AVARICES AND VICES INNATE IN THE CHARACTER
OF MAN, THIS HAS NOT HAPPENED IN THIS CENTURY. THEREFORE, IT HIS OUR HOPE
THAT OUR COUNTRY'S SCIENTIST RESEARCH AND DEVELOPMENT TECHNOLOGY WILL
CONTINUE TO GO FORWARD AND DEVELOP NEW HIGH TECH WEAPON SYSTEMS THAT WOULD
PERHAPS BECOME A FORMIDABLE DETERRENT AND AN UNSURMOUNTABLE BARRIER THAT
WILL FINALLY GIVE SOME FORM OF A GUARANTEE THAT CAN GIVE OUR DESCENDANTS
THE OPPORTUNITY ~~TO~~ ^{TO} LIVE IN PEACEFUL TRANQUILITY, AND PURSUE HAPPIER FUTUREs —
FREE FROM THE THREATS OF WAR, AND THE FEAR THAT SOME NATION THAT IS CONTROLLED
BY SOME NEO-HITLER LEADER WOULD LAUNCH A NUCLEAR HOLOCAUST UPON THIS NATION!

ANYONE WHO PRESENTLY BELIEVES THAT THERE ARE NO SUCH MONSTERS AS SUCH, IN
THIS WORLD ARE NOT PRAGMATIC, NOR ARE PAYING MUCH ATTENTION TO CURRENT
WORLD EVENTS THAT UNDER-SCORE THE FANATICAL PERSONALITIES OF: KIM IL SUNG,
HIS SON AND SUCCESSOR KIM JUNG IL, MOHAMAR KADAFI, AND THE INFAMOUS SADAm
HUSSEIN.

-3-

THE PATRIOT VS SCUD MISSILE, *State of Hawaii, 1991*

YOU HEARD TESTIMONY LAST NIGHT GIVEN BY ONE OF OUR LEADING COUNTY ADMINISTRATORS IN WHICH ^{she} QUOTED THE FIGURES THAT THE PATRIOT MISSLE WAS ONLY EFFECTIVE 50% OF THE TIME, BUT THIS FIGURE MASKS CERTAIN FACTS THAT SHOULD ^{have} BE BROUGHT TO LIGHT:

1. THE PATRIOT WAS STILL IN THE PRELIMINARY STAGES OF RESEACH & DEVELOPMENT, AND WAS THEREFORE NOT READY TO ^{be} PLACED INTO THE OPERATIONAL PHASE, BUT BECAUSE OF NECESSITY AND URGENCY OF THE SITUATION, IT WAS PLACED INTO THIS PHASE ANYWAY!
2. THIS FACT UNDERSCORES THE FACT THAT MORE TESTING, MORE REFINEMENT, OR IN OTHER WORDS, MORE RESEARCH AND DEVELOPMENT WAS AND IS NEEDED, AFTER WHICH ALL CRITICS WOULD OR SHOULD BE SILENCED. THIS IN ESSENCE ONLY STRENGTHENS THE CASE FOR SUPPORTING THE SDI R & D PROGRAM AT PMRF.
- I DO NOT BELIEVE THE OPPONENTS CAN ARGUE THAT WE NEED TO BE PROTECTED AGAINST THE POSSIBILITY OF AERIAL ATTACK BY EITHER ICBMS OR IRBM MISSLES....WE NEED A THIS PROTECTIVE UMBRELLA THAT THE SDI PROGRAM WILL EVENTUALLY MAKE AVAILABLE.
- GIVEN THE FACT THAT THE PATRIOT WAS NOT ACTUALLY READY TO GO TO WAR IN THE PERSIAN GULF LAST YEAR, BUT WAS STILL ABLE TO ^{GO} INTO SERVICE AND PREVENT MORE LOSS OF LIVES THEN NOT PUTTING IT INTO OPERATIONAL USE. BECAUSE OF THIS SCORE-RECORD PRES. BUSH WENT TO THE FACTORY THAT PRODUCED THESE ANTI-MISSLE MISSLE WHERE HE FORMALLY THANKED THE WORKERS ^{that produced them, the workers, the technicians, the engineers, and the contractors in the field, and the political people involved in the decision to go to war.} THEREFORE, PLEASE PUT LITTLE TO NO CREDENCE IN WHAT SHE CONTENDED IN HER TESTIMONY. I PROMISE TO EXPAND AND ELABORATE ON MORE SUCH ITEMS IN HER REPORTED "FACTS."SUFFICE IT TO SAY, IT WAS PERMEATED MISLEADING FACTS THAT CAN BE DISCOUNTED AS "MALE BOVINE FECAL MATERIAL", OR SIMPLY B.S..

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IN CLOSING I WOULD LIKE TO THANK YOU FOR KIND ATTENTION, AND FOR ALLOWING US TO INTERFACE AND RENDER SUPPORTIVE TESTIMONY.

I WOULD LIKE TO END THIS WITH TWO WELL-WORN AND FREQUENTLY USED EXPRESSIONS FROM TWO WARRIOR LEADERS:

1. "DAMN THE TORPEDOS, FULL SPEED AHEAD"
2. "IMUA E NAKOA...INU I KA WAI AWA AWA!" KAMEHAMEHA THE GREAT, AT THE BATTLE OF KEPANI WAI, MAUI, CIRCA 1793.

hearing testimony re STANA. 3/25/92

EX56 (cont.)

I'm Suzanne Marinelli chair of the Kenai Sierra Club, I'm also the Pacific vice president of the national Sierra Club, whose membership numbers about 650,000. Our National Policy Opposes Space based weaponry of all forms, including Star Wars in all its aspects Lt. Col. Mungo, Mr. Galters, & Mr. Macmillan, alone.

For the better part of the last 2 years, we've sat across many tables from one another. We've gotten to know, & mutually like, one another. I'd like to share a couple of observations from this process we've shared. For the most part, your people have been gentleman, all the way through.

I'd like to say thank you for that, and add a personal aside. That if you had more ladies working with you, I think you'd get a lot more more efficiently & well, & with a lot less money.

There's another thing. In the north our people have gone about recruiting the STANA program, we've operated in nearly complete freedom. We've come to you among our legislators, engaged the media, spoken our opinions loud & clear, whenever & whenever we've chosen. We are the fastest people on Earth. Our armed service project your peaceful factories, whether we wish it were so or not. So I'd like to thank you from my heart for the true protection you

Dignification provides us. We are grateful.

Humans are an aggressive species. Until this changes, we will have the military, we human beings expend half our global resources, half the world's economy, half our earning lives, on militarism & war, even when there is no war.

Thus I choose to see the military as a deadly total resource more in need of conservation than any other, more in need of ceaseless vigilance from its employees. That's us - human beings. We as people have our failings, and yet we're a wonderful species, too. We are worthy of the best that you can give us.

We want a lot in exchange for half our lives - we want our money's worth. We want a military that isn't a wasteful drain on the only resources this earth will ever have to offer us. We want programs that work, not fail; provide true safety and not increased endangerment. We want you to take a long hard look at the \$561 billion dollars the United States will spend this year on militarism, and explain to me with straight faces why we are not protected enough already. If we are not, then the military has not been doing its job, & urgently needs some kinder quality review, from the dismantling of its programs on down.

EX56

Take your Spelz program away & bury it.
 Turn away from abandoning the home of
 Kuwailinis 10,000 suffering people, whom even the
 rains have deserted now.
 Turn away from Kauai with your suffering
 contingent of Nodotels; your nihilistic foreign
 (goal in considerations) for the living & the dead, the
 plentiful and rare.
 Turn away, Sue & Randy: while we may care
 for you, we do not want your program here.

(Signed Marcella)

EX57

1
 My name is Vernon Kalaukahili White, a resident of Anahola, Kauai for 42 years. Born Kekaha, Kauai, and my Hawaiian come from Jame K. Keao grandfather and Annie Kane of Maui.

The Strategic Target System Project should remain open because of two incidents that I can recall in my 64 years on Kauai except 5 years in the Army Air Corp., in 1945 to 1949. Our National Defense is most needed for a nation such as the United States even though our Congress wants to cut the National Defense Budget. Mana Air Base and Strategic Target System not, should, but must, remain open because this base is one of many Strategic Commands that must remain open because of the needs to protect our nation, as Pearl Harbor and Schofield on Oahu is needed like Mana Air and Strategic Command is needed.

No. 1 Incident:

During the Desert Storm encounter there were lots of comment—who should go to war? First was women to be included or only men? And why should we fight for oil or why should we protect Kuwait - but by this war one wondered and saw how National Defense is needed and the weapons used.

As I grew up on Kauai and Hawaii and can remember my youth when Mana Airport was open to Hawaiian Airlines as the first air transportation for big C47 type propeller aircraft with smaller planes from Port Allen, Kauai. Mana or Barking Sands Base has always been used as transportation and airport for our Hawaii National Guard planes and at one time training area for our military. Now the local military train in Hawaii and parts of the United States, even overseas. These missiles must remain on Kauai not only for economic purposes but for defense for the State of Hawaii. The area is available and as a veteran, defense is needed to protect even the people against everything. Desert Storm has shown how the missile works and in our minds, we should support the Strategic Target System because of common sense to National Defense and value of

2

the economy. My point of value is how the missiles were used in Desert Storm.

No. II Incident:

On December 7, 1941, Sunday Morning, I was 14 years old and went with my Uncle Ben Ohai, Sr. to the Kapaau Mormon Church Farm going through the old entrance of Lydgate Park, Wailua, to the 2 acres farm large tomatoes and had to be picked ripe from the vines. About six thirty we were there and I went down to the beach area to get cane from along the railway tracks. When I saw with these same eyes yellow airplanes flying out of Nawiliwili area coming from somewhere from Nihiaw Island. My attention was the noise and lots of airplanes. I looked at them just about day break more or less 6:30 a.m.

December 7, 1941. I went back and told my Uncle Ben Ohai (Fish and Game Department Head, Territory of Hawaii) about what I saw-lots of yellow airplanes heading for Honolulu. His comment was never mind the airplanes pick tomatoes.

As I remember from my 14 years boyhood, those planes started World War II and were coming from the Mana or Barking Sand area.

I believe this Project Strategic Target System is more needed to stop future sneak attacks to our island and National Defense. Let us be realistic to the needs of the use of Barking Sands site as a continuing project regarding National Defense.

One more point of value: we must write to our Congressional person from Hawaii to support the security of Hawaii's National Defense in supporting the continuance of this Strategic Target System and to work for a 100 mile off limits to any foreign nation in the Hawaiian waters instead of 3 miles.

SUPPORTING THE PACIFIC MISSILE RANGE BASE AND STRATEGIC TARGET SYSTEM

MY NAME IS EMMALINE KALIKOLUAU LOVELL WHITE, A KAMAAINA AND RESIDENT OF ANAHOA, KAUAI, AND AN AMERICAN OF ABORIGINAL HAWAIIAN ANCESTRY. HAVING READ THE DRAFT THAT WAS PREPARED BY THE U. S. ARMY STRATEGIC DEFENSE COMMAND. I FIND THAT THE STRATEGIC TARGET SYSTEM MISSILE IS SAFE AS A LAUNCH VEHICLE AND THAT IT CONTAINS NO NUCLEAR ACTIVITY.

LOOKING BACK AT THE DECEMBER 7, 1941, ATTACK ON PEARL HARBOR, WHERE THE ISLANDS WERE UNPREPARED FOR DEFENSE PROTECTION, I BELIEVE WE SHOULD SUPPORT THIS MATTER OF NATIONAL DEFENSE.

IT IS IMPORTANT THAT THE NATIONAL DEFENSE OF THE UNITED STATES BE PREPARED FOR ANY NUCLEAR ATTACK FROM ANY AGGRESSOR NATION.

AS WE WATCHED THE DESERT STORM WAR ON TELEVISION, ONE CAN SEE WHERE THE SCUDS ARE INTERCEPTED IN THE AIR BY THE PATRIOT MISSILE. HAD THE UNITED STATES WITH ITS NATIONAL DEFENSE NOT BEEN PREPARED, THOUSANDS OF PEOPLE WOULD HAVE PERISHED AND DIED.

THE PACIFIC MISSILE RANGE IS A VITAL PART OF OUR COUNTRY'S DEFENSE. IT IS NOT ONLY OUR DEFENSE THAT IS VITAL, BUT OUR ISLAND ECONOMY AS WELL.

SO MANY TOWNS IN OUR COUNTRY ARE ASKING TO KEEP THE BASES IN THEIR AREA OPEN, WHY SHOULD WE close THIS PARTICULAR ONE. WE SHOULD SUPPORT ITS PRESENT EXISTENCE. THE MANY PERSONS WHOSE JOB IS DEPENDENT ON THIS BASE IS VITAL TO THEIR FAMILIES EXISTENCE.

THEIR JOBS ON THE BASE PROVIDE FOOD FOR THEIR FAMILIES, PAYS THEIR HOUSE MORTGAGES, AND SUPPORTS THEIR FAMILIES ENTIRELY. THEY DON'T HAVE TO DEPEND ON THE GOVERNMENT OR SOCIAL SERVICE FOR THEIR FAMILY'S SUPPORT. AFTER ALL, IT IS THE HUMAN RACE WHO ARE THE ENDANGERED SPECIES THAT NEED TO BE PROTECTED, FED AND CLOTHED.

To Strategic Defense Committee:

The Polaris missile has a 20 year track record which includes hundreds of launches. This Environmental Impact Draft ignores this history except for a brief undocumented reference to a 97% success rate.

Newspapers reported a Polaris missile failure at Cape Canaveral last summer and today we have received a report of another mishap just this week at Vandenburg.

How these failures were handled and what the consequences were seems of vital interest to us here on Kauai. The final draft of the EIS should have a complete accounting for this missiles less than perfect history.

The British Military rid itself of all of its Polaris missiles in the 1980's due to "basic system unreliability".

What do they know that you haven't told us?

If we are to accept your stated figures of 3 failures in a hundred , can we not than expect at least one failure in your proposed 40 launches? And if this particular failed launch

traveling at a rate of speed which will take it into the stratosphere in only 46 seconds turns back over the island? Kekaha is only 8 miles away and I am unconvinced that 18 tons of missile will suddenly disappear when and if the terminate button is pushed.

3
In todays Garden Island a truly frightening truth has been told: After a 30 day waiting period the Strategic Defense Initiative Organization will issue a Record of Decision "taking into account the agency's statutory mission and national policy."

Translation: We are wasting our breath here while the power to make this decision lies in the hands of some anonymous committee.

Who exactly are these persons that believe they should be granted the power to effect this islands fate? We didn't elect them and how will they be accountable if God forbid, there is a serious accident.

The Army claims to be committed to defending Democracy. If this democracy is truly sacred then let the people of Kauai decide our own fate. Let's put this matter on the ballot this November. Not just Kekaha or the North Shore and certainly not just a few Army commanders; This choice belongs to the people of this entire island.

*Thank you
John Jay*

August C. Manguso
 Lieutenant Colonel, USA
 U.S. Army Strategic Defense Command
 Product Manager
 Strategic Target System

Dear Colonel Manguso,

These remarks refer to the Draft Environmental Impact Statement for the Kauai PRMF, dated February 1992. They are addressed only to the Biological Resources, Vegetation, mentioned on pages 3-16 through 3-20 and 4-26 through 4-28.

My qualifications are a Ph.D. in Electrical Engineering, specializing in the mathematics of large scale Systems Engineering, University of Southern California, 1971. My field of interest has been evolutionary biology, and for the past 12 years I have studied the indigenous flora of the island of Kauai. I operate a business that grows these plants in a nursery and designs natural landscapes.

I support the effort of the employees and other Westsiders to preserve PRMF, it offers a tremendous opportunity and resource, compared to the alternatives, and we must all help to preserve its presence on Kauai.

My opinion of the current draft EIS concerning the vegetation on the pages cited above is that it is woefully inadequate. The document mentions only Ohia (*Sesbania Tonentosa*) and Puspa moa (*Ophioglossum Concinnum*). Other indigenous species that I have observed on the base, and are confirmed in the Botanical Consultants report of 1985 and the Transverse Group study of 1987 referenced in the EIS, are:

- A'ali'i (Dononaea viscosa)
- Alena (Boehavia repens)
- 'Aki 'aki (Sporobolus virginicus)
- 'Akoko (Chamaesyce celestrolaetorum)
- 'Akuli'iki (Sesuvium portulacastrum)
- Hi'aloa (Waltheria indica)
- Hinahina kahakai (Nauna sandwicensis)
- Huna kai (Ipomeas imperati)
- 'Ilima (Sida fallax)
- Kaua'oa (Cuscuta sandwicensis)
- Mau'u 'aki 'aki (Fimbristylis cymosa)
- Naupaka (Sacaevalia sericea)
- Pohinahina (Vitex rotundifolia)
- Pa'u o hi'iaka (Ipomea pes capre)
- (Jacquemontia ovalifolia)

Many of these plants are not listed as endangered by the Federal government, although list is not necessarily indicative of the real situation because political considerations and bureaucratic incompetence play a large role in the listing process. The IUCN (International Union for Conservation of Nature and Natural Resources) lists at least one the above plants (Hina hina kahakai) as vulnerable to endangerment due to extensive habitat destruction. And there are many listed endangered plants, and

extinct plants, that were previously present on the land which PRMF occupies.

Some of the above species are not listed as endangered only because they are found on other Hawaiian islands. But with respect to Kauai only they are in danger of extinction on this island. Also, the outdated concepts used by taxonomists do not recognize the unique gene pools that exist on Kauai and the genes that will be lost as the populations on the islands continue to decline. Even on Kauai, plants such as A'ali'i, have different genes at Mana and Barking Sands than they do in Kokee.

It is a grievous fact, that the largest accident I can imagine at PRMF would be a small insult to these native plants, compared to the holocaust that has befallen them since the arrival of the Europeans. The No Action Alternative on page 4-28 states: "Therefore, no impacts to biological resources are expected to result from the no action alternative." However, even this is a incorrect statement; if the current neglect and some actively destructive practices continue at PRMF, the indigenous plant population will continue to decline, and other alien species brought in by humans will continue to choke them out. This situation is certainly no different than elsewhere on Kauai. But PRMF has a special opportunity. And it is possible, with minimal effort, to become the best location on Kauai in terms of effort to protect and restore indigenous plants. You can restore the Ohia, and Pua pilo, and Ille, the Naio, and the dwarf Naupaka, and 'Ihi to their former home.

If you would start an active program to restore and protect indigenous plants at PRMF no one could fault you for performing the most exemplary effort on the island. You should plant and monitor several such communities of these plants at varying distances from the launch sites. I do not think that the plants would be damaged

plants there, and collect long term data. This data will help in the long term use of the base for future launches or other purposes.

These indigenous plants represent a resource that no amount of technology can replace once they are extinct.

They have been on Kauai for thousands of centuries and they have changed in ways

that have adapted them to these islands as their only home. It is

not unlikely that one of the actions we currently consider the most

insignificant in this program, will turn out to be your largest

endowment to national security.

Sincerely,


 Brian Schaefer

25 Mar 1991

PUBLIC COMMENT TO THE EIS

I've looked at the STARS EIS and I support it's conclusions that there will be no significant environmental damage to Kauai. The people putting together the EIS should be commended for making a thorough and honest attempt to evaluate any potential damages.

Frankly, I'd rather eat dirt than stand in front of this microphone and try to force my beliefs on somebody else. It's not my personality to be an activist and whine about things. But, I have to get a few things off my chest.

First of all, this meeting is not about the hole in the ozone layer. To solve that particular problem, we're going to have to ban aerosol spray cans, ban air conditioning, ban refrigerators, and even ban the space shuttle - just to name a few things. Yes, this is the same space shuttle that is presently orbiting the earth, studying the depletion of the ozone layer. And not only ban these things in the United States but also in the rest of the world. That's the first problem, because the peasant nations of the world are not going to accept any high-cost alternatives that technology might come up with. The STARS contribution to this problem is minuscule. I'm surprised nobody has testified that STARS launchers are going to contribute to global warming, because they will.

Secondly, this meeting has nothing to do with Hawaiian homes or Hawaiian sovereignty. The Hawaiian people have a problem, and I agree they need visibility, but that problem has nothing to do with the STARS program. It's a separate issue that has an impact on all of us. For twenty years PMRF has been launching rockets from Manana and there has been no negative impact on the West side. In fact, it's common knowledge that the West side of Kauai is one of the last places that has any 'aloha spirit' left. Different rocket programs have come and gone and none of this has changed. STARS won't change it either.

STARS is said to violate the "spirit" of Kauai. What is the "spirit" of Kauai anyway. Is it the Westin? Princeville? The traffic jams in Kapaa? The doubling and tripling of the size of Poipu over night? Why don't you people who know so much about the "spirit" of Kauai try to solve a real issue that has an impact on all of us? For twenty years PMRF has been launching rockets from Manana and there has been no negative impact on the West side. In fact, it's common knowledge that the West side of Kauai is one of the last places that has any "aloha spirit" left. Different rocket programs have come and gone and none of this has changed. STARS won't change it either.

[From 7R] |
People say that they're opposed to STARS and all of SHI because they want to promote peace in the world. That's not what is being demonstrated by the STARS protestors. I hear nothing but anger, hostility, antagonism, dis courtesy. If you can't demonstrate peace and humility to your own neighbor, how can you expect to promote peace in the world? For thousands of years, Christianity and every major religion has been preaching love,

EX6 (cont.)

compassion, and non-violence. But for thousands of years there have been wars. Let's be realistic. Let's start planning for the next war - today. So those of you that want peace in the world, I salute you, but don't try to cram your version of peace down my throat.

So, in summary, I support STARS and I don't think it will change our Kauai lifestyle one slight bit.

James Hager
Kalaheo

1

COMMENTS TO STRATEGIC TARGET SYSTEM DEIS

I am Jim Lawshe from Kalaheo, and I support the Strategic Target System and PMRF. I have been a resident of Kauai and a contractor employee at PMRF for the last 18 years. Four years prior to this I was involved with modifications of optical instrumentation equipment to White Sands Missile Range, Edwards Air Force Base and the Western Test Range. Before this I was at Holloman Air Force Base and White Sands Missile Range in New Mexico for 23 years.

I have stood at the impact site of the first test vehicle launched at Holloman. It was a booster test and the test vehicle was a telephone pole. I was present when the first ground launched aircraft guided missile found its target and bored a hole through the parachute target. I have been at ground zero at the Trinity atomic bomb site in New Mexico. I observed Enos, the second chimpanzee in space, at Holloman after his notable flight. I was there when Colonel Stapp rode the high speed sled at Holloman onto the cover of Time magazine, and today all of us fastened our seat belts when we drove to this meeting.

Now I am at PMRF and I am very excited about the STARS program. I will be watching the first Strategic Target System lift-off, gain speed and disappear to keep its rendezvous at the Kwajalein Missile Range - 250 miles from the island. That is right - 250 miles. It will not "Bomb the Island", as someone stated last night. Sometimes, the truth is very illusive.

My greatest experience at Kauai has been the local PMRF people. There is more Kauai Spirit at PMRF than from those who oppose STARS. For proof, I refer to as recent as last night. Charlene Castor, sincere, quietly respectful, and Hawaiian, showed far more O'Hana than other speakers. If there are ten unemployed Hawaiians for every employee at PMRF, they, the unemployed should do something about it as the locals at PMRF have done. The locals at PMRF have made the effort to improve themselves. They have earned what they have, and I respect them for it.

I command the Army for the DEIS. I am; however, reminded of the cliche -

EX63 (cont.)

When you want people to listen, - you tell them, you tell them again, and then you tell them again. Regarding air quality, and I quote from the DEIS, "Air samples will be collected during the first demonstrative launch to validate compliance with federal and state standards." To the preparers of the EIS I request you say it again, and again, and then that you can demonstrate compliance. A few months ago, air quality of the Hawaiian islands was poor. The culprit was not the Strategic Target System, the culprit was volcanic ash. Volcanoes contribute as much as a third of the total annual global stratospheric chloride burden, while the Strategic Target System will contribute 0.001 percent to the total annual burden. Those concerned about ozone depletion, already, are blaming STARS. They should be talking to Madame Pele, not to the army about their concerns.

The Mayor, in her infinite wisdom, has decreed that there will be no transportation of liquid hydrazine and nitrogen tetroxide on Kauai's public highways. This is the same infinite wisdom that is doing so well in solving the Islands traffic problems and the boating problems at the north shore. Those who have vocally opposed STARS are overlooking that four alternate transportation routes have been established in the DEIS. Two of these do not involve Kauai highways or ports. They also overlook the statement that the proposed action in the DEIS is to transport hydrazines using military, exclusive-use cargo aircraft to deliver the fuel to PMRF. Exclusive-use cargo aircraft is also being considered for nitrogen tetroxide (although a waiver from DOT will be required).

I'd like to suggest another alternative to the Army.

At Oahu, load and secure the tetroxide container onto an amphibious vehicle. Load and secure this vehicle to the deck of a cargo ship. The ship will then proceed offshore of the PMRF landing beach, lower the amphibious vehicle into the water which can then proceed to and up the beach directly to the holding pad at KTF. This requires a relatively calm ocean, but the number of deliveries in a year is only one, two, or maybe three, and they can be scheduled during calm periods.

In closing we have just today collected 134 additional Declaration of Support for PMRF letters. These when added to the Declarations presented by

Ex63 (cont.)

Annelle Hazlett for Dave Nekomoto will bring the total Declarations for the record to 1902.

I have one final request of the Army. The DEIS is good. For the sake of the PMRF local people - the yellow shirts - the real Kauai Spirit - MAKE IT MO BETTA.

Thank you and Mahalo,

Jin Kauai

**Comments of Ken Jones
On the Draft Environmental Impact Statement
for the Strategic Target System**

Tuesday, March 24, 1992

The following comments address the portion of the DEIS concerning the impact of the proposed STARS launches on the protective Stratospheric Ozone layer of the earth.

The DEIS inadequately addresses the potential for increases in human skin cancer due to depletion of stratospheric ozone as a direct result of the STARS launches (NRC 1982).

The DEIS points out (pages 4-17 - 4-20) that the Strategic Target System program will release ozone depleting chemicals in the first and second stage exhaust emissions and in the halon 2402 used at altitudes between 18 miles and 104 miles.

The DEIS (p. 4-19) assumes only a best-case scenario concerning the impact that each 1-percent decrease in stratospheric ozone will have on the percent increase of the incidence of human skin cancer. Research provided by the National Research Council shows an estimated RANGE of 2% to 5% increase of basal cell skin cancer, and a probable 4% to 10% increase of squamous cell skin cancer per 1% decrease in stratospheric ozone.

A NASA report released in February showed a 10 percent drop in the density of the ozone layer over Kauai. At the worst case scenario of 10% increase of squamous cell skin cancer for each 1% drop in ozone that equals a 100% increase in the incidence of squamous cell skin cancer. And this is before any of the ozone has been depleted by the STARS launchings.

The DEIS states that "the predicted increases are appreciably greater at lower latitudes (closer to the equator) than at higher (NRC 1982)" (p. 4-19). It then goes on

to say that the "effect of changes in the ozone layer on the incidence of skin cancer was explored using data from Norway." The final EIS should evaluate data taken from Hawaii, not Norway.

While the DEIS states that there will be no significant impact on the incidence of skin cancer resulting from the launches, the evidence indicates a high probability that of the 51,000 people on Kauai one person will get skin cancer as a direct result of the Polaris launches over a period of a year.

On January 1, 1991 the Hawaii Ozone Layer Protection Statute went into effect prohibiting any person in the state from willfully causing or allowing release of designated chlorofluorocarbon chemicals into the air from any source or process including automobile air conditioners and household air conditioners and refrigerators. The overall purpose and intent of the law was to protect the people of Hawaii and the rest of the world from increased exposure to skin cancer, cataracts, and damage to the human immune system that occurs when the protective ozone layer is depleted by release of those and other chemicals.

So, while the U.S. Army Strategic Defense Command has found a loophole in the state law against Freon release, they are violating the spirit and intent of the law if not the letter of the law, and are willing to jeopardize the health of the people of Hawaii and other places in the world to test their missiles.

Thus, I find that the DEIS is inadequate, and that the danger to human life and health is too great to continue with the proposed missile launch program.

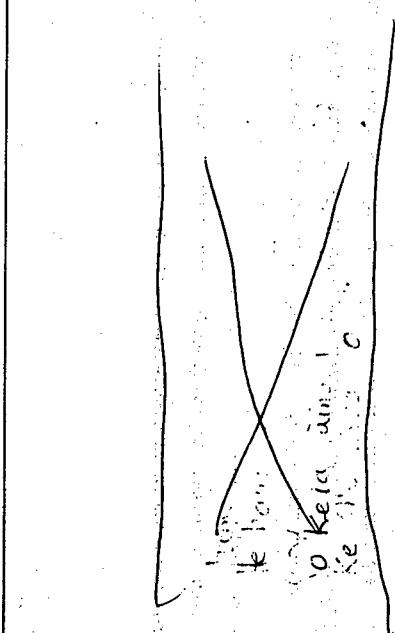
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Thus, I find that the DEIS is inadequate, and that the danger to human life and health is too great to continue with the proposed missile launch program.



~~Nā Po'o Po'ele, hā makuā~~
~~ta'au, moe y wāka iā papa'~~
~~loata; hā mokupuni hewa iō Hau'i~~
~~nei. loa iō halau kūkupili la kīpō~~
~~la Hanau ia la po'e Hanau,~~
~~māia tāloa, ke kākāna o nā~~
~~mokupuni o Hawai'i.~~

~~o kōkū 'ohana mai Kauai o me~~
~~Ni'ihau mai. Aloha no.~~

(1)

any destroying ~~the~~ land; whether it be
than carelessness, or the intentions
of destroying someone's home, or
~~the~~ ~~treachery~~ Treaty ~~the~~ or
the newly separated ex-Soviet
republics.

For years, Native Hawaiians have been
possibly reluctantly allowing the U.S.
government to take advantage of our
alone. Today, our sacred lands
are being misused; our exotic
plants and animals are in jeopardy;
but greatest of all our people are
now on opposite sides of each other!

I just want to say: Stop reconstructing
the land for foolish purposes. Stop
destroying the endemic flora and fauna
which? through ~~contents~~ ^{selection} of natural
protection ~~adapted~~ to the unique
geographical make up of this ~~island~~
and stop, by all means, dividing our
people by telling them that their
lives will ~~affected~~ if it doesn't
happen rather than the other way
around.

②

On my way here I was
blessed with the appearance of
my 'aumakua. My family's spiritual
guardian. The person or owl, flew
before us this evening. I
know that the spirits of my
ancestors are on our side, the
few, living, endangered Hawaiian
people fighting justice in this never-
ending battle.

The spirits of our ancestors cry
out. Let the 'aina live. Let
the people live. Let aloha live.

Mahalo no ko 'oukou
Noble one.
Mahalo ~~no~~.

③

Kaleiale'i Ka'ōpū
4676 Ma'ilihawa Rd.
Kapolei HI 96740

That this EIS came to be mandated by Congress in the FY 92 Defense Department Appropriations Act is a consequence of the Army's resistance to such a study in the face of public outcry that its court-ordered and narrowly-focused Environmental Assessment (EA) conveyed little assurance of the testing program's wider implications. I am pleased that my actions in the U.S. House of Representatives on May 22, 1991 kept the requirement for an EIS alive through language in the House version of the DOD authorization bill, which declared the "sense of the Congress" that STARS testing was a major federal action.

The Army's flippant dismissal of this language was quickly dispelled when Senator Inouye inserted irrefutable language in his Armed Services appropriations subcommittee that restricted STARS funding until this EIS was conducted and accepted in final form.

I join with the community in commanding the Army in its efforts to consult with the public throughout its EIS process, however. The briefings, notices and public meetings conducted on Kauai in the last several months have demonstrated a concerted attempt to gather community input and concerns, so I am disappointed that the actual draft document should be so flawed, despite this effort at community relations.

Let me state at the outset that I am in total support of PMRF and the research role it plays in our national defense. I believe the majority of Kauai also supports the facility, which has been a good and reliable neighbor on the island. The test site is a

PATSY T. MINK
SECOND DISTRICT HAWAII
WASHINGTON OFFICE
2135 Rayburn House Office Building
Washington, DC 20515-1102
PHONE: (202) 225-4937
FAX: (202) 225-4937
OFFICE OFFICER:
Sgt. First Class Alvin Burman
Honolulu, HI 96812-4937
PHONE: (808) 531-4937
FAX: (808) 531-4933

COMMITTEE ON EDUCATION AND LABOR
SUBCOMMITTEE:
ELEMENTARY, SECONDARY, VOCATIONAL EDUCATION
PARTICIPATORY EDUCATION
LABOR-MANUFACTURER RELATIONS

COMMITTEE ON GOVERNMENT OPERATIONS
SUBCOMMITTEE:
HUMAN RESOURCES AND INTERGOVERNMENTAL RELATIONS
GOVERNMENT INFORMATION, JUSTICE AND ATTICAUTION

Congress of the United States
House of Representatives
Washington, DC 20515-1102

STATEMENT FROM
U.S. REPRESENTATIVE PATSY T. MINK
ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS)
FOR THE STRATEGIC TARGET SYSTEM (STARS)

MARCH 25, 1992

Patsy T. Mink

Thank you for this opportunity to comment on the DEIS for the Strategic Target System testing program from the Pacific Missile Range Facility (PMRF) at Barking Sands, Kauai. This is an issue of immense importance to this community, which is called the Garden Island for good reason.

The people of this blessed island have always taken the custody of Kauai's natural assets as a priority concern, and this guardianship has persisted in the face of economic cycles of hardship and prosperity, a transformed citizenry, an all-pervasive visitor industry, and the inexorable demands for new housing, transportation, infrastructure, power generation, waste treatment, clean water and other critical services of government.

It is no coincidence that Kauai's environment has endured despite these many perils, and the STARS program must also satisfy this scrutiny in proportion to its potential to inflict greater, and heretofore unimaginable damage, on the land and seascapes.

good and reliable neighbor on the island. The test site is a welcome employment alternative for residents, and has operated according to the highest scientific and safety standards in the past.

But we are confronted with a Draft EIS on a Kauai Test Facility program that was long and hard in coming from the military; it betrays a bias that is inescapable, given its sponsor and authorship. I offer my comments only to improve the content and confidence of the final EIS, and look forward to the Army's candid response to my critique along with those of others participating in this hearing.

Although the National Environmental Policy Act (NEPA) requires consideration of all reasonable alternatives to a proposed action, I note that this DEIS reviews STARS' environmental consequences and mitigations with the summary dismissal of other possible alternatives without thorough examination. From "Geology and Soils" to "Water Resources," "Noise," "Hazardous Materials" and beyond, the "No Action Alternative" is the only other option consistently offered. It appears that the authors took little effort to explore middle ground, insisting on the Army's way or no way.

In contrast, the discussion of the transport of toxic liquid fuel propellant to PRR includes four alternatives. Shipment directly to the facility is possible via military air cargo, by commercial cargo vessel to Oahu and beach delivery by landing

craft, the same route with transfer to beach landing craft at Port Allen, or overland transfer to Barking Sands after ocean shipment to Port Allen. The preferred, proposed action is to transport hydrazines using military, exclusive-use cargo aircraft directly to the facility, with the remaining options utilized in the event of "unexpected adverse conditions." In keeping with this DEIS's single-mindedness, no description of these adverse conditions is addressed, much less why the fuel would be safer in a landing craft working its way through surf to come ashore at Major's Bay, or why being driven on a public highway is more plausible under these same adverse conditions.

I am concerned that the DEIS does not adequately investigate STARS's threat to endangered species in the locale of the test facility. However, remote the possibility of harming species such as the ohia, Adder's tongue, Hawaiian ducks, coots, stilts, monk seals and hoary bats, green sea turtles, Newell's shearwater, and humpback whales, any contribution to the irrevocable extinction of these plants and animals must not be risked under any circumstances. Mitigation measures seem hardly adequate within the context of the report.

Termination of launch activities is reviewed under three scenarios: on the launch pad, in early flight, and with pitch back over the island. Once launched, great reliance is placed on the "more than sufficient time" of 3.5-seconds for a Range Safety officer to detect, decide and terminate a missile's flight to

3

4

minimize the fire, debris and air pollution around or beneath the exploding missile vehicle.

The restricted ground hazard area for each launch is a modified 10,000-foot arc encompassing portions of Polihale State Park and nearby sugar cane fields. In the event of a termination decision within the 3.5-second window, damage is expected to be confined to this area.

There is no deliberation whatsoever, however, of a worst-case scenario. Suppose the decision time takes longer than 3.5-seconds. Suppose the termination command apparatus inexplicably delays or fails to respond. Suppose the missile heads for Hanalei Valley, or Lihue?

What are the appropriate emergency measures and equipment to deal with such a catastrophe? Will civil firefighting, burn and rescue techniques be adequate? The damage from a 36,577 pound, refurbished Polaris A3 missile with an CRBUS 1 third-stage motor is sure to cause damage as yet unknown to Kauai's emergency personnel.

However unpleasant, prudence dictates that this eventuality be reviewed, and that the State and County be furnished with proper equipment and training to respond quickly and effectively to the more extensive property damage or human casualties of a flat-out missile disaster.

Of equal concern is the use of booster rockets averaging 26 years old that must undergo extensive refurbishing to bring up to Weapon Specification 1151 performance, reliability and safety compliance. Older Polaris A3 second-stage boosters have already experienced forward dome burn-through failures that current refurbishment procedures are supposed to correct. But aging caused this problem, and there is little cause for comfort that more than 3 dozen identical missiles will be launched from Kauai.

The Payload third-stage motor also benefits from the military's indulgence. Toxic hydrazine liquid propellant will be used in this stage on some occasions, and there is apparently "not a large statistical data base to address motor reliability."

Rather, a manufacturer's predicted reliability factor based on computer programs and manufacturing information is accepted, with a five-year storage life projected. One wonders about the dependability of payload stages in the later phases of STARS.

This Draft does not review at all the history of missile launches at PMRF, and whether there were any mishaps or incidents in years past. Neither does it discuss the differences and similarities of these earlier launches, so we might better transpose historical records to what is anticipated and provided for in STARS.

Finally, since the Army went through so much effort to identify public concerns and objections to the STARS Project through briefings, hearings and other methods, I am troubled that it

would dismiss so many of these issues with terms such as "small risk," "unlikely," all precautions will be undertaken," "insignificant," "no impacts anticipated" and "very little hazard." I suggest that the authors review the entire EIS and substitute the information that those terms are based on to assure readers such comments are warranted, and why.

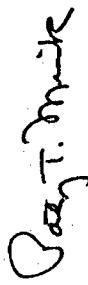
As a Member of Congress, I am called upon to debate and vote upon matters of national defense and policy time after time. My return to the U.S. House in 1990 was predicated on the dividends of a post-Cold War economy that would rechannel our resources and energies into more productive pursuits critically needed by our people. After more than a decade of runaway spending on new and grander weapons systems, our cities, infrastructure, schools, highways, environment and social services have suffered enormously.

With the nationalization of eastern-Europe, global trade alliances, collapse of the Soviet Union and other momentous events around this Planet, our priorities have also changed. Congress agonized over base closures throughout our military system, and more are surely to come. We have battled to fund the full range of services while digging ourselves out of a debilitating recession and national deficit. And we have seen the inescapable writing on the wall that America is no longer able to afford everything it wants from its government.

The Pacific Missile Range Facility has unique and exceptional operational characteristics unavailable to the U.S. military anywhere in our country. The quality and dedication of its employees are unquestioned, and they have every reason to be proudful of their work, their expertise, and their record.

It is my hope that the EIS that is finally issued on STARS testing at Barking Sands does justice to the facility and its personnel. Many have called for this study, and now we have the opportunity to judge and criticize at will. If we are sincere in this process, then the outcome can only add to our understanding of STARS, so an informed consensus can be reached on its future.

Thank you for your attention.



**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Who makes the decision on the final EIS?

The decision on the Final EIS will be made by the Director of The Strategic Defense Initiative Organization, Ambassador Henry Cooper.

Name Mary Elser

Address _____
Street Address _____

City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSDEN-Y (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3601

1

**NO TO
STAES
ON KAUL:**
Daryl G. Domell

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A Question / Comment:

To Rody Gallien & Col. Mengus,

I strongly object to your responding to Anti-STARS speakers' comments. We as opponents are not given a similar ability to respond immediately to what we perceive as misfacts. Again, we during this will a one-sided ability to respond to comments. This is unfair. Thank you for listening.

Mark Eisner

Name _____

Address _____

City/State/Zip Code _____

Street Address _____

City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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Name Frank Gohs

Address _____

City/State/Zip Code _____

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Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

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Q: WHAT IS THE ENVIRONMENTAL IMPACT STATEMENT?

QUESTION / COMMENT:	<p>I deeply resent and object to Col. Manguso's, of others, intregation after Anti-STARS speakers speak. We, as opponents, do not have an opportunity to respond in the same way. You are making this into an unfair debate, with only your side able to respond to speakers comments being made.</p>
Name _____	Address _____
Street Address _____	City / State / Zip Code _____

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U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

EXT3

March 23, 1992

After reviewing the EIS concerning the "Stargate" program, I feel the needs of the cities of Hawaii have not been addressed. This program may prove hazardous and should not be allowed to take place.

As a resident of Hawaii please assist me in against this program.

Thank you
Frank D. Tolosa
Honolulu, HI

1

March 25, 1992

Deputy Commander-in-Chief
U.S. Army Strategic Defense Command
ATTENDANT: CSSD-EN V (D.R. Galloway)
POB 1500
Huntsville, Alabama 35807-3801

Dear Commander:

I want to focus our time, energy and money in directions other than STAR WARS technology. I am against continuation of any such projects here on Earth and specifically against nuclear weapons from PURE.

I believe it is time that our government begin creating policy that is more life affirming and responsive to the new world that is being created in this decade. I believe the impact on Earth of the Strategic Nuclear Systems program is contrary to the spirit of Earth and quite harmful to us who live here.

Sincerely,
Sharon Tolosa
POB 503
Hawaii, HI 96716

1

Dear LTC. Hanguusc,

3/25/92

The testimony you're about to read cannot be cross-referenced in a book because this material comes from my heart. It is based on my beliefs and the love I have for my country. It is based on being a working mother of a lively, beautiful 2 year old daughter and having a household to maintain. You know... bring home the bacon, fry it up in the pan, and never let him forget he's a man. Well, that leaves me with very little time to scrutinize every bit of the DEIS as the opposition has done. I've read some of the DEIS and am satisfied with the stuff I can understand. I trust in you and the Government for the rest and anything after that I don't have a need to know. (Having done 6 years in the Hawaii Air National Guard, I am fully aware of "knowledge on the need to know" basis).

The opposition implores us towards peace and to lay down our arms because the Cold War has ended. I feel this Country's mainstay is its unsurpassed technologies in defense which we need to maintain and even upgrade to keep up with the flow of world events. And the flow of my world's events is my daughter's future. I believe the STARS project will enhance my quest of ensuring my daughter's free future. The opposition seems to have forgotten how so many people before us have given their lives to maintain the freedom to do and say what you want, when you want and how you want that this Country is so known, loved and envied for. There's a bumper sticker I've seen around --- "Lucky you live Hawaii", but I say "Lucky you live U.S.A."

Candace Agustin

March 23, 1992

Deputy Commander Strategic Defense Command
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a taxpayer I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally no estimate is given for if the money that is being spent on fuel and hardware were spent in a more productive manner what the effects would be on the socioeconomics of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative energy sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

Investing in our children as scientists by spending the money on science classes would be a longrange socioeconomic benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,
G. Woodard, Ph.D.
E. Woodard, Ph.D.
Suite 3039-129 Kaumualii Hwy
Lihue, HI 96766

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WATHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDIO
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation oriented businesses, banks, super markets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer related businesses, etc., etc, would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly;

Lehua Fernandes
Lehua Fernandes
PO Box 1483
Kekaha, HI 96772

WRITTEN COMMENTS ON BACK

EX76

EX78

Also I would like Mr. Snowe, Mr. Akaka,
 John Waihee and John Yehmin, I'm not
 happy with your performance and I will not
 support you in upcoming election

John Waihee

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES SAILING
 REPRESENTATIVE EZRA KANDOH
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There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly:

John Waihee
 John Waihee
 Box 711
 E.C.P. 7/7/22

WRITTEN COMMENTS ON BACK

- 1) Save jobs / not unemployment
 2) Compensate Hawaiian Home Land Commission
 for market land lease if not being done.
 3) Valid E.I.S.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIEHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANOHO
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUAI COUNTY COUNCIL

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Yours Truly:

Delaine Ono
 Delaine Ono
 P.M.R.F. Support
 P.M.R.F. Support
 Date: July 9, 1976

WRITTEN COMMENTS ON BACK

Signature
 Printed Name
 Address

I'm glad my comments
have been addressed to -

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANOHO
 MAYOR JOANN YUKIMURA
 KAUAI COUNTY COUNCIL

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Yours Truly:

Jayann D. Murphy
 Jayann D. Murphy
 Representative
 Hawaii
 1978

WRITTEN COMMENTS ON BACK?

1

DECLARATION OF SUPPORT FOR PMRF

If I may opinion that those who are
protesting the existence of the base are
the opposition we have had a their idea
but from the outside. Our concern, I Kauai
island and based here on Kauai, feel
that they care less of our and our
concern first of their own selfed needs.
PMRF is a vital importance for
us and for the safety of the U.S.

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PAISY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAINE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDOH
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

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Yours Truly:

Mark M. Markham
MARK M. MARKHAM
P.O. BOX #126
KIRBY, HI 96742

WRITTEN COMMENTS ON BACK

EX80

EX79 (cont.)

I KNOW THE UNITED STATES NEEDS A STRONG MILITARY, AND I KNOW THE UNITED STATES NEEDS MILITARY PROGRAMS LIKE THE STAR'S PROGRAM. A STRONG MILITARY IS THE SAFEST WAY, FOR A LONG LASTING, PEACEFUL COEXISTENCE.

RESPECTFULLY SUBMITTED
Mark M. Markoski
 MARK M. MARKOSKI

DECLARATION OF SUPPORT FOR PHRF

TO: SENATOR DANIEL K. INOUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIEHE
 SENATOR LEHUA FERNANDES BAILING
 REPRESENTATIVE EZRA KANOHO
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUA'I COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PHRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests--and that intent is to stop the program altogether, regardless of what the EIS determines.

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Yours Truly:

Leilehua Acton
 Leilehua Acton
 D.D.P.
 JUNE WAIMEA, KAUA'I 96796

WRITTEN COMMENTS ON BACK

Don't listen to a bunch of haole
 who are not even from Hawaii, we have
 just lived here 2 years they should
 go home, and not try to run our
 island like California, these groups

Lite Seere Club

Kauka Ulua
 P.S. Open your eyes, this will NOT
 ONLY effect Hawaiians but all the
 local people, born and raised in

Hawaii

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAHEE
 SENATOR LEMUA FERNANDEZ BAILING
 REPRESENTATIVE EZRA KAMOHO
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUI COUNTY COUNCIL

Dear Honorable Elected Officials:

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Yours truly,
Dickie M. Doty
 Dickie Doty
 D. Doty
 311 Mer. H. 10152

WRITTEN COMMENTS ON BACK

Signature
 Printed Name
 Address

1

DECLARATION OF SUPPORT FOR PMRF

None on People, we elected you folks to support us "quite" people trying to make a living on this Island. I hope you guys are not "surprised" by all the "Proposed" & false statements made by a select few which to me, have no idea what they are talking about. And the input the Westside would experience if the Navy pulled out.

Sincerely,
D. D. M.

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDOH
REPRESENTATIVE JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly:

D. D. M.
John D. Mink
P.O. Box 184
ELECTE, HI 96703

(WRITTEN COMMENTS ON BACK)

EX82

EX82 (cont.)

I SUPPORT PMRF! Those who had oppose it,
Altogether, has a perspective that is really Brown out
of proportion! They feel that there markings should
be valid, not knowing the other side of the coin,
is to be impacted economically.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEMUA FERNANDES SALLING
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MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly:

George A. Gagnon
George A. Gagnon
Hawaii
February 26, 1976

WRITTEN COMMENTS ON BACK (Other)

DECLARATION OF SUPPORT FOR SAME

To those concerned - it is not often the West Side
of Kauai asks for something for
themselves - I feel that this
concern is very important for
our community and may well
guide the future of West Kauai

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAINE
SENATOR LEOHUA FERNANDES SALLING
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REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Truly Empowered

Scott W. Stevens
Signature
Printed Name
P.O. Box 572
Wethersfield, CT 06519-0572

WRITTEN COMMENTS ON BACKS

Dear elected officials:

It is my personal opinion that your attention in this matter is well overdue. To force a base into closure due to financial consideration is one matter. To allow a special interest group to effect the economic growth of this small island is another. It is your responsibility to represent the people that elected you; Not the special interest groups that put you on the back and provide financial support.

I would like to point out that this special interest group hiding behind the environmental issue is in fact the headquarters for the **NEW AGE RELIGIOUS GROUP** and their main objective is one world government. No wonder they want the military out of their domain. It demonstrates a threat to their overall purpose.

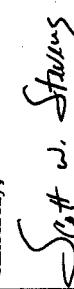
Please do not fall into the same pattern the Roman Empire demonstrated: We are strong and no one could possibly attack. History has always repeated itself and unless you are careful, you could easily fall into the same category.

The Soviet Union is still an enemy of the constitution of the United States because the Soviet Union has never changed their overall major goal: To control the world with their ideology. Facts are they can not feed their people, this does not mean they have become our friends. The people are wonderful I am sure, but the government still has the same major aim.

In conclusion, please consider the major purpose of this special interest group on Kauai, (The New Age Movement), and their primary interest in the military base closure. Then consider that Soviet Union remains a viable threat. Then consider the impact Barking Sands base closure would have to the fighter pilots who were trained on the Philippine ranges, and then consider the impact to the local economy.

I am concerned at the disregard for the voter's rights by Congressmen and how the votes are tailored to represent special interest groups. It is high time you consider the position you were elected for and represent the needs of Kauai and the nation as opposed to the group that pads your pocket. Remember, Kauai helped in the election process, whereas all the environmentalists did was to raise a stink and show up. Please do not become their puppets! Thank you.

Sincerely,



Scott W. Stevens
P.O. Box 549
Waimea, HI 96796
808-742-1728

DECLARATION OF SUPPORT FOR PMRF

TO:

SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAHEE
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDOH
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

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Yours Truly:



SANDRA MACCLOSKY
Box 212
WAIMEA HI 96796

WRITTEN COMMENTS ON BACK

I have not been silent. I feel our North Shore neighbors are spreading untruths and half truths, in an attempt to stop programs they know nothing about. America needs a strong defense. Russia is not the only enemy. Every day, every decade, will be bring a new bully for the day.

Jeanne K. Monkman

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIHEE
SENATOR LEHUA FERNANDEZ SAILING
REPRESENTATIVE EZRA KANDOH
REPRESENTATIVE BERTHA KAWAKAMI
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Yours Truly:

Jeanne K. Monkman
Patsy T. Mink
Hawaii
D.C.
D.C.

CURRENT COMMENTS ON BACK

What the damn fools are worried about, they have underwater missiles operating now, and they can drop it on us any time! They want to what's the best.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANDOH
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 MAYOR JOANN YUKITURA
 KAUAI COUNTY COUNCIL

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Yours Truly:

Beth G. Tice
 Beth G. Tice
 2577 N. Kukui St.
 Lihue, HI 96766

WRITTEN COMMENTS ON BACK

DECLARATION OF SUPPORT FOR PMRF

Being a construction worker I know there is no major development in the future of 1992. Also, the other industry is very slow in the state of Hawaii. We all know that layoffs & job cuts only excels the recession. If PMRF is closed or if there is no more extra work done what will happen to all of these employees? Why can't every one think of the older instead of thinking about themselves? Think about how other families will be effected with no day care children? Close PMRF or reduce the employment will only hurt these families & children, is this what the USA is all about? I hope not, because these children & families are very much Hawaii's future.

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LERUA FERNANDES SALLING
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Yours, Truly:

Jerry J. Lohr
 Jerry J. Lohr
 1001
 1001
 1001
 1001

Signature
 Printed Name
 Address

WRITTEN COMMENTS ON BACK

DECLARATION OF SUPPORT FOR PMRF

*We prepared. Don't wait until other
countries are well prepared. We in World War II
we had equipment from World War I*

TO: SENATOR DANIEL K. INOUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 GOVERNOR NEIL ABERCROMBIE
 GOVERNOR JOHN WAIEHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANOHO
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been supported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether, regardless of what the EIS determines.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, facilities such as businesses, banks, super markets, gas stations, automobile dealers, parts suppliers, construction companies, hardware suppliers, computer related businesses, etc., etc, would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that it's time to be heard. I am registering my confidence in the managers of the base and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours truly:

Edward A. Fujimoto
 EDWARD A. FUJIMOTO
 TEST LEHUA ST.
 KAUAI, HI 96744

See

WRITTEN COMMENTS ON BACK

(SECRET OVER)

In addition to the concerns mentioned above, I am affected by the lack of concern of Governor Charles and the State of Hawaii; Mayor Farkindana and the Hawaii council of the following:

1. National security is the concern of the State of Hawaii and the other 49 states. The MPF in agreement with staffs and the concern of the Federal Government to strategically locate a site in Hawaii as imperative in National defense of the United States of America as well as the Main land.

2. Without a site established to defend against other lands, there and its people are based in a portion of possible future nuclear attack from any country or the Far East preceding the advent of the traditional capability of long range nuclear missiles (the lack of concern of Governor Charles and the people of Hawaii demands to make a decision) now or in the near future to defend Hawaii's security to all citizens of the United States of America; Political security and the defense of the United States must for all of its citizens and this included the American citizens living in the 50th state.

3. The establishment of one Strategic Site, Hawaii being the most western geographic location of the Hawaiian Islands off shore the western coast of the National Defense system. If the 49th State makes Hawaii vulnerable in the event of an attack against the US, it shorting the defense of the part of individuals and special interest groups, Small City and the Hawaiian Foreign Nation of Japanese in living in the east (Kauai, Oahu, Maui, Lanai, and Hawaii Islands) will be concerned for their safety.

4. Shorting the defense of the 49th State of Hawaii is a concern for the members of the public good in California if it is derived for a nuclear bomb or missile of any kind and the 49th State is derived for a nuclear bomb or missile of any kind the same as the Hawaiian Islands. Nuclear missiles tellored for dollars in funds, resources and science technology to protect the people of Hawaii so you may agree that with the several hundred air force, the members of the North Island (Marine Corps), and several other members will be forced to fly back to the main land after Hawaii became threatening to both countries friends. This leaves the majority of Hawaii residents living in and growing whatever they can do to survive and rebuild Hawaii as the foreign and a concerned American Citizen it is our position that Staffs are complemented and become a viable strategic site (far west) as a part of the National defense. Not one of the 49th State of Hawaii is nor in regional part of the 49th and that act accordingly for all citizens of the 49th.

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In addition to the concerns mentioned above, I am affected by the lack of concern of Governor Charles and the State of Hawaii; Mayor Farkindana and the Hawaii council of the following:

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4. In addition to the majority of Hawaii residents living in and growing whatever they can do to ensure and rebuild Hawaii as the property and a concerned American Citizen, it is our position that Staffs are complemented and become a viable strategic site (far west) as a part of the National defense. Not one of the 50 states of Hawaii is nor in regional part of the 50th and last act accordingly for all citizens of the 54.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIEHEE
SENATOR LEHUA FERNANDES SHALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAWAKAMI
MAYOR JOANN YUKIMURA
KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

By this letter, I affirm my support for the Pacific Range Facilities, its people, and its programs. Recent controversy over a certain PMF program has been supported by a vocal minority largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests—and that intent is to stop the program altogether—regardless of the facts.

This kind of attitude could be detrimental to the very existence of PMRF. A base closure is not unrealistic to consider. It would result in severe impact to the economy of Kauai. In addition to the loss of jobs, facilities such as hotels, restaurants, rental car companies, recreation oriented businesses, banks, power plants, gas stations, automobile dealers, parts suppliers, construction companies, hardware stores, etc., etc., would feel the impact of a PMRF shut down.

There are many people like myself who have been silent throughout this controversy, and feel that its time to be heard. I am registering my confidence in the managers of the PMRF, and of the many programs at PMRF, that they are doing everything they can to ensure success.

PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to continue challenging work. It directly supports our nation and defense effort. We don't want an issue like this to keep PMRF thoughts of a base closure. Please evaluate the long term impacts and make a decision.

Yours truly:
John Charles Smith
John Charles Smith
1000 University Street
Seattle, Washington 98101

CHARITABLE CONTRIBUTIONS

(4)

DECLARATION OF SUPPORT FOR PINE

As a socialist & believe we should back up this project because of its relation within the station & community. Are we going to be like Harrow Station & the rest of the sector. Are you going to support the Johnson Day for the people to support the Johnson Day for the people rental & bills. There will be more crime there going to contend with. Think you're acting on a greater. The people of the northern suburbs a lot of welfare & that's where the funds are the long term I am not goin to say this. These people give time to protect everything. Thank you for your consideration on this matter.

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAHEE
SENATOR LEMIA FERNANDES SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAMAKAMI
MAYOR JOANN YUKINORI
KAUAI COUNTY COUNCIL

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True Story

John C. Mattox
1011 N. 2nd Street
Do. Box 1057
Knoxville, Tenn. 37501

WRITTEN COMMENTS ON BACK

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KAHNO
 MAYOR JOANN YUKIMURA
 KAUAI COUNTY COUNCIL

Dear Honorable Elected Officials:

I've built my home and I'm raising my family in the town of Kekaha which is approximately 9 miles from the PMRF launch site. PMRF is located in my back yard. I have faith in the men who run the base "operational at some many" who also reside in Kekaha with their families. He has his bed and will continue to live & work here. He has had and will continue to do his patriotic duty second and 2d best as his employer Captain Mullin. If I felt it's environment was not being protected or the program was not being handled properly I would be signing the document to tell him so. I would not be signing the document but saying no about not only national defense but saying no about

John J. Smith

By this letter, I affirm my support for the Pacific Missile Range Facilities, its people, and its programs. Recent controversy over a certain PMRF program has been reported by a vocal minority, largely from the North Shore communities of Kauai. Their true intent was revealed after the decision was made to do an Environmental Impact Statement in response to their protests--and that intent is to stop the program altogether, regardless of what the EIS determines.

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PMRF has been a good neighbor and Kauai's high tech employer. It is a place to which our children can return to find challenging work. It directly supports our nation and its defense effort. We don't want an issue like this to spark thoughts of a base closure. Please evaluate the long term impacts and make decisions wisely.

Yours Truly:

John J. Smith
 Harriet R. Horibe
 P.O.B. 373
 Lihue, HI 96765

WRITTEN COMMENTS ON BACK

Cherry

DECLARATION OF SUPPORT FOR PMRF

As an employee of Tekaka School PMRF has been a welcomed neighbor. Through out five years, the children of Tekaka School has received many many services from the personnel at PMRF. They have always been supportive and generous whenever the school was in need of assistance. I would like to thank every the employees & Tekaka School will suffer a big loss.

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WAIMEE
SENATOR LELUA FERNANDEZ SALLING
REPRESENTATIVE EZRA KANOHO
REPRESENTATIVE BERTHA KAMAKAMI
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Feng Shu
reg. 30-
G. B. 357
Received 11-2 96-211

WRITTEN COMMENTS ON BACKS

I support PMRF fully my father worked there for over 15 yrs and my brother also works there. I believe all this controversy of a pile of bull. I've been to several of the rocket lunches and every precaution is taken by Sandia Laboratories to ensure no one gets hurt.

They also send a lunch at the slight hint of trouble; the people of PMRF work very hard at there jobs and should be supported by our government as much as possible.

Please dont let a bunch of fools ruin 100's of lives and destroy families who work for a living.

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUYE
SENATOR DANIEL K. AKAKA
REPRESENTATIVE PATSY T. MINK
REPRESENTATIVE NEIL ABERCROMBIE
GOVERNOR JOHN WILLETT
SENATOR LEHUA FERNANDES SALLING
REPRESENTATIVE EZRA KANDOH
REPRESENTATIVE BERTHA KAWAKAMI
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Sincerely
Faygo St

Yours Truly:

Helen Kawakami
Helen Kawakami
Kauai, HI 96747

WRITTEN COMMENTS ON BACK

(Faygo)

*To a disable vet. staffing from Orange
From Vietnam!*

March 24, 1992

Dear Sirs:

[1]
I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature *Ron K. Johnson*

Printed Name *Ron K. Johnson*

Address *P.O. Box 235 P.O. Box 235*

City/Zip *Hilo, HI 96720*

To whom it may concern,

I'm as frightening at the Barking Sands fire department in the Pacific missile Range Facility. I'm proud to work for and at PMRF Kauai So, it burdens and saddens me that these bunch of people are trying to stop the SDIO Programs. By withdrawing their SDIO programs it will take us capabilities for surveillance and training. Therefore, we could be at risk of our operations thus, those people don't realize about all the people who work here and their families who depend on PMRF for their livelihoods. So, this is why I'll stand behind our company and the SDIO programs to go ahead and continue with these programs. Also Kauai's Economy would be deviated by the loss of PMRF.

For this reason I say people who oppose the SDIO programs are not concerned with our nations welfare about defense.

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

For this reason I say people who oppose the SDIO programs are not concerned with our nations welfare about defense.

Signature R.K. Munayama
 Printed Name R.K. Munayama
 Address PO Box 723
 City/Zip Kauai HI 96740

R.K. Munayama

TO WHOM IT MAY CONCERN:

I WISH TO SHOW SUPPORT FOR
THE SDIO PROGRAM AND THE PACIFIC
MISSILE RANGE FACILITY.
My job, family "Fellow workers"
depend on employment to survive.
We feel missile launches are
safe, as records will show.
PACIFIC MISSILE RANGE FACILITY HAS
been part of my life for the past
13 years and hope to keep it for
the rest of my life.

MARIAO
Tylor J. Chiba
Neison / CHIBA

March 24, 1992

3/24/92

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature Wesley K. Tylor
Printed Name WESLEY K. TYLOR
Address P.O. Box 984
City/Zip KEWAEN, HI 96742

24 March 1992

To whom it concerns

I am for P.M.R.F. AND THE STATES
program for they support my family. It
would be very hard to raise families without
out a job.

I have been at P.M.R.F. for 14 yrs
and I'd like to keep P.M.R.F. here forever.

Our children can go to college get an
education and return to Kauai and have
jobs available for them at P.M.R.F.

Thank you,
Wesley L. John

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature _____
Printed Name _____
Address _____
City/Zip _____

Concerning the SDIO programs on Kauai,
March 24, 1992

I am an employee at PMRF and I do not see why all the people don't like this base. The missiles aren't meant to hurt anyone. These missiles are for our future & children's future. Don't let these people who think they know everything about this situation judge the program. The Government should do what is right and keep this base open to better our national security!

Thanks
By [Signature]

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature Richard J. Morris

Printed Name Richard J. Morris

Address 6330 Kipapa Rd.

City/Zip Kapolei, HI 96746

Mar. 24, 1992

To whom it may concern,
I believe the issue here is not the "Strong
but sometimes idea to get the military out of the
area, and bring up the issue of a "National
Park" at Kauai and the surrounding areas,
more than 1/3 of the island, which includes
Poipu, and the site PMRF sits on, IT
was tried once before in congress, but the
military was present and the people did not
want a National Park, so it died in congress.
Now they are trying again, only this time
they want the military out first. Remember
Kilauea light house, we could go anywhere to visit
the area, now you have to pay above, a national
park will hurt the people, (Hunters, loggers, horizon houses,
etc.) No one will win in this case, the end case is
of course.

Richard J. Ward

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature James D. Releger, Jr.Printed Name JAMES D RELEGER, JR.Address B.C.X 1104City/Zip KAUAI HI 96765

To whom it may concern,

I am a member of the PMRF FIRE Dept.
and a strong supporter of all operations
that go on at PMRF. It saddens me
to hear people not support the United
States of America for the price of
FREEDOM. Please support us in our
efforts to maintain our jobs, PRIDE
and FREEDOM.

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are
safe. As an employee of the Pacific
Missile Range Facility I would not stand
by and let anything hurt my family,
friends and neighbors. Missile launches
have been conducted safely from Kauai
Test Facility at PMRF for many years.

Jean Olson



Signature 

Printed Name Reinay R. Olson

Address P.O. Box 1133

City/Zip KE KAUHA, HI 96752

* Note: I've read the Draft ET's
and concern that there
launches are 100% safe!

March 24, 1992

Dear Sirs:

I feel that SDIO programs for Kauai are safe. As an employee of the Pacific Missile Range Facility I would not stand by and let anything hurt my family, friends and neighbors. Missile launches have been conducted safely from Kauai Test Facility at PMRF for many years.

Signature _____
Printed Name _____
Address _____
City/Zip _____

3/24/92

To whom it may concern,

I would like to say that PMR is the only underwater testing range in the pacific & that the man press us to train this IF the SDI. Don't go through the silly Defense System that will intercept the incoming missiles and also waste a lot of peoples life and taken since the US military is helping Kuwait's economy. But if you want see it just go back from where you came from. Listen mostly virgin island making big mistake here.

[Handwritten signature]

C. ~~Queued Prior To Moving To Hawaii~~
 I Lived in the islands of Oahu, Maui & B
 at the Kennedy Space Center on Merritt Is. If
~~I don't know where or Kauai is, the~~
~~some distance from~~

To the STARS Program Manager,

March 25, 1992

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up
 the count.

- ② For the Tech.
 Much Concern has been expressed by
 many people regarding the environment
 impact on the ecosystem of Kauai.
 KSC
- ③ M.I.'s ~~exist~~ National Wildlife Survey
 Service which encompasses the State of
 Hawaii.
 ④ The Audubon Society Counts annual
 surveys of various species Birds All over
 the world.
- ⑤ Visitors - Contrary to a delegate that
 visitors VTC -
- Not only close off some
 But Pig Islands Beach
 closed for weeks not hours
- Tech. is necessary to provide them
 take off monitoring changes in morphology
 Condit. of Geese
 not Controlable

Signature: Lawrence Mirowski

Print Name: Lawrence Mirowski

First of all, you lyin', wannay, little ass-huckster bastards- let me say how typically callous and disrespectful it is of you to make us to stand down here at your crotch level, symbolically ready to kiss your ass.

(To audience) I hold in my hand the biggest pack of lies yet from the most notorious liars on the face of the planet- the U S army. Who would believe that these ass holes could come up with a bigger piece of deceitful garbage than their last pack of lies- the environmental assessment.

But why not. They're not here to really listen to us. They're here because they're legally required to sit here while we talk ourselves blue in the face to no avail.

But even though I'm no farmer, I know bullshit when I see it.

(To army) Please you murdering pack of money-crazed jackals- please send me ten more copies of your pack of lies- I need more toilet paper.

I'm furious. I'm more than furious- I'm seething with venom for you Manguso, for you ~~McGinn~~, and for your mouthpiece, that dishonorable blowhard, Senator Inouye.

I'm not gonna stand here and thank you for the opportunity to let you ignore me. I can't believe the parade of brave and intelligent people who've come up here and read the words that they wrote in anger with meek, submissive voices. Now is our turn to show our outrage.

In their name, here. (start tearing, wiping and throwing pages) Here's what I think of your god-damn EIS. Take it back and shove it up your collective asses.

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

Ruthie McLean

Signature:

Print Name: BETTY RUTHIE MCLEAN

March 24, 1992

Dear Sirs:

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Signature _____

Printed Name _____

Address _____

City/Zip _____

March 25, 1992

To the STARS Program Manager,

I support the STARS Program at PMRF.

You have a Green Range sir, let's pick up the count.

Signature _____

Print Name: _____

DECLARATION OF SUPPORT FOR PMRF

TO: SENATOR DANIEL K. INOUE
 SENATOR DANIEL K. AKAKA
 REPRESENTATIVE PATSY T. MINK
 REPRESENTATIVE NEIL ABERCROMBIE
 GOVERNOR JOHN WAIHEE
 SENATOR LEHUA FERNANDES SALLING
 REPRESENTATIVE EZRA KANDOH
 REPRESENTATIVE BERTHA KAWAKAMI
 MAYOR JOANN YUKIMURA
 KAUAI COUNTY COUNCIL

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Yours Truly;

Signature _____
 Printed Name _____
 Address _____

WRITTEN COMMENTS ON BACK

JoAnn A. Yukimura
 Mayor
 Gwen S. Hamabata
 Administrative Assistant
 OFFICE OF THE MAYOR

4306 Rice Street, Suite 101
 Lihue, Hawaii 96766
 (808) 245-3585
 FAX: (808) 246-4520

TESTIMONY OF MAYOR JOANN YUKIMURA
 ON THE STARS DRAFT ENVIRONMENTAL IMPACT STATEMENT
 KAUAI WAR MEMORIAL CONVENTION HALL
 March 24, 1992

By Lt. Col. Manguso, Mr. Gallien, Mr. Michelson, Good People of Kauai and Niihau --

Aloha!

As I look out at all of the people who are here today, I am once again reminded of what an extraordinary community we have here on Kauai.

Yes, all of us here tonight, no matter what our position on STARS may be, are part of a tradition on Kauai. A tradition of caring about our island. Caring enough to come out and speak up, to listen, to be part of the discussion and dialogue. And I want to thank each of you for coming out tonight.

It's not easy. Sometimes it gets tense. Sometimes it is difficult to listen to someone who disagrees with us. Sometimes it's hard to speak up, to say what we feel. Other times it's hard to calm down and not get carried away in our passion.

But we keep stepping forward, because we care for our community, our jobs, our economy, our culture, and our Island's environment; we care about each other.

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TESTIMONY BY MAYOR JOANN YUKINURA

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And because we care about each other, we learn to listen, even when it's hard to do. Whatever your position on STARS, I know we all -- each one of us wants our children to grow up in a world at peace. World Peace does begin with me, with you, with us. We create the beginning of a peaceful world by how we relate to each other here and now tonight!

Before I make specific comments on the Draft Environmental Impact Statement (DEIS), I wish to make several acknowledgements.

First, to Senator Daniel K. Inouye, for his pivotal role in ensuring that this EIS process would occur.

Second, to Lt. Col. Marguso, Mr. Gallien and the other members of the project for the professional way in which they have gone about their jobs. I believe these gentlemen have sincerely attempted to get as broad an input as possible.

Third, to Captain Mullins for his honest and exemplary leadership. I have appreciated how Captain Mullins and his staff have been straightforward with the community and avoided any sensationalism. I am very impressed with his commitment to the community. Kauai is lucky to have such a fine leader at PMRF.

Before I begin my specific comments, I wish to reaffirm publicly my commitment to PMRF and the men and women employed at the base. I have always said that the PMRF is an asset to Kauai. It is the high tech center of our community -- the place to which our highly trained young people return to seek jobs after they

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get their degrees. As the Draft EIS indicates, the average salary is higher at PMRF than with the County or the state. It is a world-class training and testing facility having a match nowhere else in the world with its 1,000 square miles of electronically monitored ocean floor. It is the only place in the Pacific where you can have underwater, surface and air operations-monitoring. It is a very important employment center and industry for Kauai, especially the Westside. And it has been a source of volunteer and community assistance that enhances life on Kauai.

Let us be clear of the County of Kauai's and my commitment to PMRF. Let us know that this hearing is about a project at PMRF, that this hearing gives us the opportunity to analyze the STARS project, and that this project of the U.S. Army needs to be independently scrutinized for its potential impacts on our community.

I would hope that we can all recognize this, so that anyone who questions the project is not automatically labeled as being against PMRF. If the STARS project is a good one, it will withstand scrutiny. This scrutiny is important for our environment, for our economy and for Kauai's future.

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Let me now begin with my comments. My concerns fall into basically four areas:

STARS Benefits Questionable

First, an EIS covers not only the potential negative impacts, but also the benefits. Thus, the first question we all need to address is what is the benefit of the STARS program to our nation.

In recent months, the longstanding doubts of the STARS program have come to a crescendo, summarized in recent articles in Newsweek (3/23/92), The New York Times (2/22/92) and Washington Post (3/11/92) which are attached to my testimony.

From the original SDI concept of a perfect shield to the more recent evolution of ground-based missiles, the actual feasibility of the objectives of the STARS program is under serious question. I call your attention to other attached articles in which experts are challenging the alleged effectiveness of even the Patriot missile. Especially in this time of national recession and savings and loan bailouts, the American public is less and less willing to spend hundreds of billions of dollars on a "pipe dream." In my mind, the benefits of the STARS program have not yet been shown.

Ozone Depletion

As for the negative impacts, while solid rockets are responsible for only a tiny portion of total ozone depletion worldwide, they are among the largest single source of ozone-

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depleting substances. Given the particular problems of the ozone layer above Hawaii which we hear has been thinning out more rapidly than expected, and the importance of our sun-oriented visitor industry, I believe particular weight must be given to the issue of ozone depletion. As pointed out in testimony of Sierra Research, the DEIS has very little quantitative baseline data on existing air quality conditions. It also fails to properly evaluate impacts to the ozone layer over Hawaii. The quality of Hawaii's environment -- specifically, air quality and ozone protection -- is so important to the visitor industry and economy of Kauai and Hawaii that it can not be compromised.

Public Access to Beaches

One of the key components of life on Kauai and visitor satisfaction is the enjoyment of the shoreline and beaches. I am deeply concerned about the issue of access to a very popular coastline. According to the DEIS, one portion of the "Major's Bay to Polihale coastline" will be closed to the public for about two months out of the year. In addition larger areas will be closed for actual launches. Although each launch will take three hours to clear the area according to the DEIS, there could be more than one rehearsal per launch -- i.e., "false alarms," so to speak, which occur when the procedure does not result in a successful launch -- or when delays occur and lengthen closure time of the area. Furthermore, we know there will already be greater than four launches cumulatively. And STARS could just be

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the beginning of more. Added to the times when regular PMRF testing and training require closure, the STARS program could gradually whittle away the public's right of access to the beach and ocean. Given the growing number of residents and visitors this is a very precious part of our lifestyle, especially the Westside lifestyle, that must remain intact.

Transportation of Hazardous Fuels on Public Roads

One of the key issues to me as Mayor, is the issue of public health and safety. I had thought that all transport of hazardous fuels would be by air and sea, not by public roads. However, the DEIS indicates that if sea conditions are poor, the alternative plan is to move the hazardous materials by public highway from Port Allen to the base. This is not acceptable to the County as the dangers are not worth the risk. I wish to note also that while Fire and Civil Defense, the two County agencies dealing with hazardous materials, have been consulted in the process, they have not been included in any of the transportation procedures or emergency planning, and this concerns me greatly.

Lastly, as Mayor of this County, my concern is for the spirit and identity of the islands of Kauai and Niihau. As we perceive ourselves, so we are, so we continue to grow and become. There is this special place of ours -- Kauai and Niihau -- where there is a special bond of a people to a land. It is a positive image. As a part of our own identity, and as an economic factor

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In our visitor industry, the image of Kauai as a STARS launching site is not a positive one. For example, Point Mugu is known primarily as a missile launching site. We cannot, as a visitor destination, afford to have Kauai be known as a STARS missile launching site.

We see ourselves, and we constantly strive to be, a place of peace and aloha. To be known as the site of the STARS missile launching is contradictory. It is incompatible with the gentleness and beauty of our land -- the sparkling ocean, the sweeping landscapes of cane and open spaces and mountains. Especially if there is a bad accident, aside from the safety of our community, imagine what the image and reputation of Kauai will be. Imagine what impacts it would have on our visitor industry. It is important -- for us -- and our economic health, to have Kauai continue to be known for its specialness. An island of unspoiled scenic wonder, an island with that special quality of life.

In summary, the actual benefits of the STARS program have not been shown. Indeed, there are very serious doubts about the viability and value of the program to the defense of America. Instead of funding speculative ventures, let's give more money to the training and development of our armed services, which would hopefully give PMRF more work and income. And let us work on strengthening nuclear nonproliferation agreements and limiting missile technology transfers and arms sales -- real improvements

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in international security.
And let us not compromise the environment, visitor
industry, the economy, or the lifestyle of the people of Kauai.

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S O C I E T Y
SCIENCE

A Safety Net Full of Holes

After nine years and \$30 billion, new charges brand the Star Wars defense effort a fraud

It seemed like a good idea at the time. In a speech on March 23, 1983, President Ronald Reagan described his vision of intercepting and destroying strategic ballistic missiles before they reached our own soil. . . . an effort which holds the promise of changing the course of human history. Nicknamed "Star Wars," the defense shield would replace the terror of mutually assured destruction (MAD) with the promise of demolishing all our missiles costing America's way. From the start, though, many physicists and military officers warned that Star Wars was technologically impossible. Now, \$30 billion later, there's a service that the Strategic Defense Initiative Office (SDIO), as the Star Wars command is known, saw the flaws all along—and knowingly masked the program's failures and overestimated its progress just to keep the money rolling in. Engineer Alvin Saucer, who was fired from the SDI program last month, described in an open letter in The New York Times last week a conspiracy within SDIO worthy of an Oliver Stone movie. He accused SDIO of "systematic illegality, gross mismanagement, waste, abuse of power and the substitution" of scientific rationale for the scientific method. He said SDI officials took money allocated for one program and spent it on another, and falsified data about the efficacy of such marvels as the X-ray laser in order to keep the largess flowing in. In an interview with Newsweek, Saucer detailed allegedly false statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates between \$22 billion and \$1 trillion. He charged that SDIO kept expenditures off the books, destroyed or hid thousands of scientific reports and data, and deliberately covered up fatal flaws in the systems. Saucer, chief scientist for Advanced Technology and Architectures for the army's Strategic Defense Command, concludes that Star

Wars will never provide an impenetrable umbrella against nuclear missiles. Pentagon scientists criticize Saucer's work and even question his sanity. SDIO will not comment on his allegations, however, until the U.S. Office of Special Counsel, which investigates whistle-blowers' charges, finishes its inquiry into Saucer's firing. As far as SDI goes, however, Col. Simon P. Warden, the program's deputy for technology, calls it "one of the best-managed" advanced technology programs in all of government! From the start, though, many physicists and military officers warned that Star Wars was technologically impossible. Now, \$30 billion later, there's a service that the Strategic Defense Initiative Office (SDIO), as the Star Wars command is known, saw the flaws all along—and knowingly masked the program's failures and overestimated its progress just to keep the money rolling in. Engineer Alvin Saucer, who was fired from the SDI program last month, described in an open letter in The New York Times last week a conspiracy within SDIO worthy of an Oliver Stone movie. He accused SDIO of "systematic illegality, gross mismanagement, waste, abuse of power and the substitution" of scientific rationale for the scientific method. He said SDI officials took money allocated for one program and spent it on another, and falsified data about the efficacy of such marvels as the X-ray laser in order to keep the largess flowing in. In an interview with Newsweek, Saucer detailed allegedly false statements made by SDI officials about the effectiveness and cost of various systems, leading to underestimates between \$22 billion and \$1 trillion. He charged that SDIO kept expenditures off the books, destroyed or hid thousands of scientific reports and data, and deliberately covered up fatal flaws in the systems. Saucer, chief scientist for Advanced Technology and Architectures for the army's Strategic Defense Command, concludes that Star

cocky whiz kids had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an impenetrable shield and failed."

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI lowered its sights in 1987 to disengage, not block, a massive Soviet missile attack. Taxpayers may not



Ground-Based Laser

This \$1 billion free-electron laser shoots at a mirror, which reflects death beams at antisatellites. Stated: SDIO prefers Pebbles.

The *target: Independent warheads from the MX Peacekeeper missile, the kind SDI means to stop*

cocky whiz kids had realized that the game was over. We had tried very hard to fulfill the technical requirements of President Reagan's vision of an impenetrable shield and failed."

And so quietly, secretly, SDI did what might charitably be called "evolve." According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI lowered its sights in 1987 to disengage, not block, a massive Soviet missile attack. Taxpayers may not

New York Times Feb. 22, 1992

It's Lunacy to Keep 'Star Wars' Alive

By Flora Lewis

The U.S. and Soviet Union are heading down a road that will lead to disaster. Early nuclear reductions agreements that the two sides signed in 1985 will not be honored by either side. The U.S. has dramatically reduced its nuclear missile armaments, while the Soviet Union has not. That makes all the more problematical to be the "Star Wars" program. The plan to establish a joint early warning system to detect ballistic missiles from almost any point on the globe offers an effective and symbolic measure of the new Russian-American relations. Other countries will be invited to join. That doesn't go nearly far enough to control proliferation of missiles. But it will be a good start in showing that major countries are prepared to act together against the techniques of aggression and blackmail.

Flora Lewis is Senior Columnist of The New York Times.

"It is mindless to develop new devices that may or may not work but would surely promote the technological arms race the world wants to end."

Then they diminishedly agreed. It is ridiculous to develop new devices that may or may not work but would surely promote the technological arms race the world wants to end." Then they asked, "What do you think?" I said, "It is mindless to develop new devices that may or may not work but would surely promote the technological arms race the world wants to end."

"It's easier [for bureaucrats] to find a new argument than to find a new job. If Mr. Bush can't get the "Star Wars" out of his eyes—and he obviously doesn't want to—Congress must bring him down to earth."

'Star Wars' Plan Invites Problems, GAO Warns

THE WASHINGTON POST

... Wednesday, March 11, 1992 A7

By George Lardner Jr.

Washington Post Staff Writer

"Confidential and duplication of effort could already be occurring" in the crucial area of ballistic management for the entire system.

times since President Ronald Reagan launched it in 1983, "consuming" billions of dollars along the way," the report noted. It originally was intended to defend the United States against a massive Soviet attack, but President Bush in January 1991 prescribed a more modest goal of defending against limited strikes. Last December, Congress enacted the Missile Defense Act, calling for the United States to forward deployed troops and allies against accidental or unauthorized launches from any country. The new law emphasized a ground-based defense by providing for deployment of 100 interceptors at Grand Forks, N.D., by 1996. But it also authorized \$465 million for research and development of Brilliant Pebbles, a proposed constellation of 2,500-pound rockets that would circle Earth, waiting to swoop down on enemy missiles.

Defense Department officials say the entire system, known as GPALS (Global Protection Against Limited Strike), will cost \$4.5 billion through 2005, but Congressional Budget Office analysts conclude that the figure at \$87.5 billion would likely not be the figure at \$87.5 billion. The report said SDIO has added to the risks of the design and development effort by assigning integration work to different contractors without identifying the exact sub-systems to be used in GPALS's ground-based segments, thereby increasing the danger of incompatibility. GAO said officials at the Army's Strategic Defense Command and the Air Force's Electronic Systems Command have stated that "confusion and duplication of effort could already be occurring" in the crucial area of ballistic management for future systems. Defense Department officials told GAO they did not agree with the report's descriptions of the complexity of the GPALS system and the immaturity of some of its key technologies, but GAO said the Pentagon failed to offer "convincing evidence" to support its objections.

"Designing, developing and deploying a system with these uncertainties" risk that the system will not provide SDIO currently promises."

"Such a system will push the cutting edge of technology," the report said, stressing the risks of making the space-based interceptors, known as Brilliant Pebbles, an effective component of SDIO (the Strategic Defense Initiative Organization) must rely on some technologies that are as yet unknown and learn how to integrate them into a reliable system. "Designing, developing and deploying a system with these uncertainties," GAO said, "increases the risk that the system will not provide the level of protection SDIO currently promises."

Conversely, the Star Wars program is floundering, he charged. "They haven't a clue where they are going or how to get there. They are mired in confusion and drowning in studies, redounds studies," SDIO officials have changed their approach to the program, popularly known as "Star Wars," several

EX11



1

This is a representation of a 3 x 4 foot painting
sent to Ambassador Henry Cooper.

CHAPTER 2

COMMENT LETTERS

CHAPTER 2

COMMENT LETTERS

This chapter presents copies of the comment letters received during the public comment period. The public comment period ran from February 28 to April 13, 1992. A total of 510 comment letters were received during this period. Included in this section are copies of letters received by Senator Inouye regarding the Strategic Target System Draft EIS (WR329 through WR495). The commentor number appears in the upper left corner and categorized comments are shown in the right margin.

February 16, 1992

Dear Lt. General Hammond,

I am a mother of two young sons who live on Kauai. What can I do to convince you that to continue with the STARS program would be a disaster to our island? Both in safety terms and when you consider how this will affect tourism (our main money maker) as well as polluting the air, land and seas, I can seriously think of better things to do with these misses and better things to do with the time spent on the STARS project. I understand you have the final say on whether this program will become active. Please don't let it happen.

I feel that Kauai is an unspoiled paradise and I feel safe here. I would not feel safe if these missiles were launched. Yes, I have read the statistics. Please consider my letter and request. Thank you for putting yourself in my shoes

Sincerely,

Ruth Ann Lester

6559-A Kuhoho St.

Kapaa, Hawaii

96746

March 7, 1992
COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT (DEIS)
FOR THE STRATEGIC TARGET SYSTEM (STARS)

The February 1992 DEIS for STARS does address many important issues which were not adequately treated by the original STARS Environmental Assessment (July 1990) or by the Supplement (July 1991), but there are still some serious deficiencies. Areas that need more work are possible launch failures, the impacts on air quality, and the cumulative effects of all launch activities at the Pacific Missile Range Facility (PMRF).

[1] In page 4-53, it is stated that it is unlikely that any flights would have to be terminated because of "an overall system reliability of 97 percent and a higher individual component reliability." Presumably most components can be tested separately to determine their reliability. One could then calculate the reliability of the whole system assuming that failures of components are independent. Is this how the overall system reliability is determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be given about the results of previous test launches of Polaris boosters to allow a better judgment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a successful individual launch is 97%, the probability of 40 successful launches is only 30%.

[2] The scenario described on page 4-53 in which the booster is destroyed because it had pitched back toward the island should be considered in more detail. This scenario is similar to the Aries launch failure at Cape Canaveral on Aug. 20, 1991. Press accounts of the Aries failure stated that the destruct command from the ground was issued 23 seconds into the flight and that burning debris hit the ground "a few miles from the launch pad." The STARS EIS should indicate to scale on a map of the area around PMRF where debris from similar failure would hit the ground. The Aries failure also calls into question whether a similar STARS failure could be detected and the destruct command issued in 15.1 seconds, as assumed in the DEIS.

[3] 2) The discussion of the TRPUF and REEDM computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter is still inadequate. No detailed evidence is given to support the preference for the REEDM predictions as the better estimator. It is hard to understand why these two models should give results which differ by factors of 10 to 400 and, incredibly, the comparison of the models was not done for the same wind speed. In Tables 3-1 and 3-2 of the Supplement to the STARS EA, TRPUF results are given for a wind speed of 0.46 m/sec but these results are not included in Tables 4-3 and 4-5 of the DEIS. These results are important because the carbon monoxide concentration is predicted by TRPUF to exceed the Hawaian 1-hour air quality standard at the boundary of the launch hazard area. The REEDM results in the DEIS also do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 1000 meters is given to be 0.252 ppm in Table 4-5 of the DEIS but is 0.027 ppm in Table 3-1

WR2 (cont.)

of the Supplement. Such discrepancies cast considerable doubt on the reliability of the results quoted for REEDM. My conclusion is that the information in the DEIS is not sufficient to have confidence that STARS launches will have no significant impact of air quality. The TRPUF and REEDM models need to be compared for the same wind speed and data from previous launches should be used to try to decide which model is the better estimator. Neither of these has been done in the DEIS.

A related area that I feel needs more justification is the fuel vent experiments. These experiments would cause ozone depletion and produce suspected carcinogens and transporting and storing the hydrazine fuel needed for these experiments is very hazardous. For these reasons it seems to me that the STARS EIS should consider the "no action alternative" for these experiments specifically

4) The cumulative impacts of all planned launch activities at PMRF need to be clarified and considered in more detail. For example, on page 2-25 it is mentioned that, during the ten years of STARS launches, there would also be three ELX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around PMRF for these launches might have to be cleared as many as thirty times per year. The Vandal launches were not mentioned in the original STARS EA or the Supplement and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered; if other major launch programs are contemplated during the ten years of the STARS launches, they should also be included in the assessment of cumulative impacts in the STARS EIS.

Finally, the evaluation of the significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of freon release on pages 4-20 to 4-21. The 360 kilograms of freon 114B2 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CFC's in the stratosphere, but no mention is made of international agreements, such as the Montreal Protocol, whose goal is to reduce dramatically the production and use of these ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawaii to help protect the ozone layer, freon release by the STARS launches looks much more significant. In other areas judgments of significance are more subjective but the DEIS seems to have an equally self-serving view. Increasing the fraction of time that parts of the PMRF recreational areas are closed to the public from 30% to 58% may be more significant to residents and visitors to Kauai than to the authors of the DEIS. One wonders if the DEIS authors would consider an increase in their income tax rate from 30% to 58% to be significant.

michael jones

Michael Jones
Physics Dept.
Univ. of Hawaii
2505 Correa Rd.
Honolulu, Hawaii 96822

WR3

1 Deputy Commander re: missile testing,
on Kauai, Hawaii
As a concerned citizen of Hawaii
I demand that you keep
missile testing off our island.
Your people have no idea of
the delicate balance of the
environment here. The
impact and hazards are,

2 too great to overlook.

3 I suggest you test
the missiles in your
own back yard & see
how you like it.
We don't want any part
of your star wars program
on our peaceful beloved
island.

2-5-92

WR4

WR5

ALABAMA AGRICULTURAL AND MECHANICAL UNIVERSITY



Office of the Director
J. F. Drake Memorial Learning
Resources Center

NORMAL, ALABAMA 35762

P.O. Box 1899
Tuscaloosa, (205) 531-4767

February 27, 1992

Col. Robert S. Troth
Acting Deputy Commander
Department of the Army
U.S. Army Strategic Defense
Command - Huntsville
P. O. Box 1500
Huntsville, Alabama 35807-3801

Dear Col. Troth:

This is written to acknowledge the receipt of a copy of Draft Environmental Impact Statement (DEIS) for the Strategic Target System program at the Kauai Test Facility (KTF). On behalf of the faculty and staff of the Learning Resources Center, I would like to express our sincere appreciation to you for sending this copy to our Learning Resources Center.

We look forward to your continued support.

Sincerely,

Birdie O. Weir, Director
J. F. Drake Memorial Learning
Resources Center

moa

March 10, 1992

Deputy Commander

U. S. Army Strategic Defense Command
(SSD) Huntsville (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

I would like to let you know that I am against the establishment of the STARS program here on the island of Maui. I am a resident of this beautiful island and feel that the program is a risk for the people that live here and the environment. Please investigate and choose another location. Thank you.

Barbara J. Mackay
Home in Mauna Lani
Hilo, Hawaii
1992

WR6

147 Royal Drive
Kapaa HI 96746
March 16, 1992

1
Deputy Commander, USA SDC
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville AL 35807-3801

Dear Sir:

I am writing with the strongest plea possible to urge the SDI Program to be removed from my island, Kaua'i. Numerous reasons underlie my concern. One of the strongest relates to efforts currently under way to provide native Hawaiians with at least the same rights as other native Americans. In creating a sovereign Hawaiian nation it is imperative that lands illegally taken from them be returned to their governance. Hawaiian homelands near the Pacific Missile Range Facility may well be incorporated in the Hawaiian nation. You, no doubt, are familiar with steps taken by the Congress at the initiative of Sen. Daniel S. Inouye regarding Hawaiian sovereignty.

Launching a long-term SDI testing program next door to land that could someday mean homes for native Hawaiians may not be a wise investment of Army resources.

Please hear out the people of Kaua'i before they are forced to civil disobedience.

Sincerely,

Robert E. Levine

March 19, 1992

To Whom It May Concern:

As a citizen of Kaua'i and of the world, I want to register my dislike, disapproval and disgust regarding the U.S. Army's testing of its Strategic Target System at Barking Sands, or anywhere else. In my study of the Army's draft EIS, the main purpose of Reagan's Star Wars program is to seek out and destroy "enemy" Intercontinental Ballistic Missiles coming toward us from some mythical bad guys.

Wake up Americans! We are the enemy! We just pulverized hundreds of thousands of people into dust in the Persian Gulf, so that our President and his military/industrial/bureaucratic profiteer friends can continue to get rich at everyone else's expense. They conveniently left Hussein alive, so they can justify their outrageous defense expenditures into the future, like the Star Wars program.

Not content to bring misery, starvation and death to millions of innocent people in other countries, the military now asks our permission to test their death machines over our very heads, on this Island which they stole from the native people in a military taking ninety nine years ago. They want us to agree that their own EIS mitigates all concerns that we may have. Of course it doesn't. It's a self promotion scam put together by the Army's Strategic Defense Command in Huntsville, Alabama. My concern is that the Star Wars program continues to exist, at all.

I urge my fellow citizens to speak loudly against this disastrous course of action, and further, to demand that the Army closes down its PMRF base, gives the land back to the Native Hawaiian people, and leaves the Hawaiian Islands forever!

Angrily, Fred Dentz

1
cc: U.S. Army Strategic Defense Command, Huntsville, Alabama
The Kauai Times, Lihue, Hawaii
Responsible Citizens For Responsible Government, Hanalei, Hawaii.

March 19, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, AL 35807-3801

**re: Draft Environmental Impact Statement for
 Launch of Strategic Target System vehicles from the Kauai Test Facility at the
 Pacific Missile Range Facility on the island of Kauai, Hawaii**

As an environmental engineer with a background in aerospace, I find the Draft Environmental Impact Statement (DEIS) an interesting study of the effects of a new research program involving the launch of rocket systems.

While I found the document to be generally well thought-through and professionally prepared, there are a few areas with which I would like to take issue. I will attempt to deal with them in the order in which they are presented in the DEIS.

2.1.1. Flight Preparation
 "Approximately 45 additional temporary personnel will be required for all Strategic Target System operations..."

"At no point in the rest of the DEIS are the impacts of these personnel on the environment discussed."

2.1.1.2. Booster Flight Preparation
First Stage Booster Reliability
 "Case-to-insulation separation has been shown by studies and testing not to affect ballistic performance."

"What is the source of this information?"

4.3. Air Quality

4.3.1.2. Launch Activities

Aluminum Oxide and Particulate Matter

"In this section, possible problems were suggested, but were quickly discounted by first denigrating the chosen TRP-UF model as only a "screening" tool, and then stating "Aluminum oxide is considered an inert, nuisance particulate with no significant toxic effects to humans."

If this is true, why was it considered at all? And upon what is the "no significant toxic effects" based? What is "significant" entail? As one who has dealt with the failings of using animal models, and one who has seen a great deal of circumstantial evidence that causes me to give aluminum respect, I find it frustrating to have this issue brushed away so casually.

Carbon Dioxide Levels

"Most everyone's contribution to the greenhouse effect are "minute." Yet every minute addition adds up. Also, the effects of transport of the materials, personnel, etc. for the project are never discussed. Increased motorized traffic and aircraft or boat journeys from the mainland contribute to the impact on the environment, especially air quality, as well as the fragile carrying capacity of the island."

**Impacts on Stratospheric Ozone
 Booster Exhaust Emissions**

"The comparisons to the rest of the space program of the U.S. is misleading. Merely because there exists a greater contributor to an environmental impact does not make the smaller impact insignificant. Especially in the case of the issue of ozone loss, where the effects are not well known, and the consequences could be tremendous.
 "...it is estimated that the Strategic Target System program could result in an annual global ozone loss in the range of 0.00001 to 0.0001 percent." This quote is striking! One small program, which is being presented as having no impacts, can have a significant contribution to what some consider to be the greatest threat to mankind.

"Plant species appear to be sufficiently adaptable so that food crop yields would be maintained." This is a controversial statement. A great deal of literature has suggested that the crops used now to produce the bulk of the food for the U.S. may be extremely vulnerable to changes in exposure to ultraviolet rays, since the genotypes of the crops are becoming increasingly focused and specialized.

"It seems extremely misleading to separate out the effects on ozone between the booster emissions and the freon released. This is even admitted." The release of Freon...will not, *by itself*, significantly affect stratospheric ozone levels." [emphasis added] Why then, was it treated separately from the other ozone-depleting chemicals involved with the program.

I am shocked that the addition of "0 to 1 nonmelanoma skin cancer annually to the total United States population" is not found to be "significant". It is outrageous that the rest of the world, which will pay the price for this program as well, are just ignored! Using rough calculations, this program, by the Army's own admission, add 20 skin cancer cases to the world each year! This strikes me as quite significant.

While a case is well made by the DEIS that the impacts of the Strategic Target System are minor relative to other programs, the impacts must be evaluated on this specific case's merits.

Is the refinement of tracking techniques worth the increased, however minor, encroachment of humanity into the environment of Kauai? Will the advancements gained by this program offset the lives of those individuals stricken with cancer? On a political level, is the money to be spent on this program best serving the case of security and peace in these changing times?

To my mind, this program cannot adequately argue the affirmative for any of these questions.

1 **2** **3** **4** **5** **6** **7** **8** **9**

Matthew M. Ball

WRS

WRS (cont.)



March 25, 1992

sierra
research

1521 1 Street
Sacramento, CA 95814
(916) 444-6666
Fax: (916) 444-8373

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Subject: Comments on Draft Environmental Impact Statement for the Strategic Target System

Dear Mr. Gallien:

Enclosed please find our comments on the air quality portions of the Draft Environmental Impact Statement for the Strategic Target System program proposed for the Kauai Test Facility and Pacific Missile Range Facility. The comments indicate a number of areas where we believe the Draft EIS is inadequate.

Please don't hesitate to call if you have any questions or need additional information.

Sincerely,

Gary Rubenstein
Senior Partner

encl

cc: w/encl
Mayor Joann Yukimura, Kauai County

Comments of
Sierra Research
on the
**Draft Environmental Impact Statement
for the
Strategic Target System**

March 19, 1992

The following comments address the air quality related portions of the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992.

1. The DEIS fails to describe the existing air quality and emissions sources in the vicinity of the PMRF in adequate detail.

The discussion of existing air quality in the vicinity of the PMRF is limited to a single paragraph (p. 3-15) which states that "air quality in the vicinity of PMRF and KTF is generally excellent". This treatment of the environmental setting is inadequate to allow for an analysis as to whether the air quality impacts associated with the STS, in conjunction with existing air quality levels, could result in significant cumulative air quality impacts.

In particular, this discussion of the affected environment should include a summary of particulate data from the Lihue monitoring station for at least the last five years, along with a discussion as to how air quality at the PMRF would likely compare with the measured data in Lihue. In addition, available data from other monitoring stations (either on Kauai or neighbor islands) should be summarized to present a general description of existing air quality levels at PMRF. The Hawaii Department of Health should be consulted to determine which monitoring stations would be most likely to represent conditions at PMRF.

The discussion of existing emissions sources at PMRF and KTF is similarly inadequate. This section should be expanded to include an estimate of emissions in recent years associated with the following sources:

- PMRF Diesel-powered generators
- KTF Diesel-powered generators
- Rocket, drone and target launches from the facilities
- Burning of cane fields
- Vehicle traffic associated with PMRF and KTF material/supply deliveries, employees and visitors

These data should be presented on an episodic basis (e.g., per day of activity) and on an annual basis, for comparison with the increased emissions associated with the proposed project.

2. The DEIS fails to quantify the estimated emissions associated with construction of STS support facilities.

Construction dust emissions were identified as one of the air quality issues during the scoping process (DEIS, p. 1-8). Despite this fact, the DEIS contains no estimate of construction dust emissions, or of the impact that these emissions would have on air quality in the vicinity of the PMRF. The DEIS should contain an estimate of dust emissions, as well as of emissions for criteria pollutants from construction equipment. Any mitigation measures which are a project design feature, such as the water application measure described at p. 4-6 of the DEIS, should be described in detail (i.e., frequency of dust suppressant application, type of suppressant used, etc.).

3. The DEIS fails to quantify the emissions associated with solvent use, storage and handling.

Although the DEIS indicates that "small quantities" of industrial solvents may be used for cleaning during vehicle assembly (DEIS, p. 4-6), no estimate of emissions associated with the use, storage and handling of these solvents is presented. The DEIS fails to provide adequate information to allow a reviewer to determine whether the quantities involved are, in fact, "small".

4. The DEIS fails to discuss the emissions associated with the transport of fuel and vehicle components to the PMRF and KTF.

The DEIS indicates that the main components of the STS vehicle (boosters, payloads, control electronics, navigation system) are tested in the continental United States and shipped to KTF for integration into the flight configuration (DEIS, p. 2-6). However, the DEIS fails to discuss the emissions associated with the transport of these components via aircraft, ship/barge and/or truck to the KTF. Emissions for each potential transport route should be estimated and included in the project emissions totals.

5. The DEIS fails to discuss the additional emissions from increased Diesel electric generator operations associated with the STS project.

At several locations in the DEIS, the presence of Diesel electric generators at the PMRF and KTF is mentioned. (See, for example, P.3-15, P.3-47, and P.4-71.) The DEIS indicates that KTF operates two 300 kw Diesel electric generators which switch on automatically at any time KTF demand goes over 120 kw (DEIS, p. 3-47). The DEIS further indicates that STS demand for electricity will exceed this level (DEIS, p. 4-71), thus resulting in increased use of the two 300 kw Diesel generators.

However, the DEIS fails to quantify the increase in emissions associated with the increased Diesel generator operations. The DEIS should contain an estimate of increased Diesel generator emissions associated with the STS program. In addition, the DEIS should include a discussion as to whether this increase in operation of the Diesel generators is consistent with the Authorities to Construct issued for the generators by the Hawaii Department of Health.

6. The DEIS fails to estimate the increase in emissions due to increased vehicle traffic associated with temporary support personnel.

The DEIS indicates that flight testing and launch activities for the STS program would consist of up to four launches per year over a ten year period (DEIS, p. 4-3). The DEIS further indicates that each launch would require approximately 45 temporary support personnel for a one month period. However, the DEIS fails to estimate the increased emissions due to the increased vehicle traffic associated with these temporary support personnel.

7. The DEIS fails to properly estimate the oxides of nitrogen (NOx) emissions associated with launch activities.

The DEIS identified emissions of nitric oxide (NO) as a significant issue raised during the scoping process (DEIS, p. 1-8). However, the treatment of this issue in the DEIS is limited to the conclusory statement that "[t]he Strategic Target System chemical propulsion system is not reported to produce nitrogen oxides emissions" (DEIS, p. 4-18). This statement is not supported by technical references, and is inconsistent with previously published information on this subject.

For example, NASA Technical Memorandum 78753, "Launch Vehicle Effluent Measurements During the May 12, 1977, Titan III Launch at Air Force Eastern Test Range" (G.L. Gregory, et al., January 1979) reported NOx concentrations as high as 1,000 $\mu\text{g}/\text{m}^3$ within the plume of a Titan III launch vehicle. While these concentrations at elevations of 1000-1500 meters are not representative of ground level concentrations, they clearly indicate the inaccuracy of the conclusion in the DEIS.

In a more recent analysis, the Environmental Assessment for the Testing of Solid Propellant Rocket Motors at Edwards Air Force Base (Department of the Air Force, December 1986) estimated a conservatively high NOx emission rate of 22,000 pounds per 2-minute test burn of either a 2-segment rocket motor or a 5-segment rocket motor. This estimated emission rate was determined based on an analysis of the data from the 1977 Titan launches discussed above. If these emission rates were scaled based on the weights of the test motors, the emissions associated with the complete burn of the STS launch vehicle propellant would be as follows:

WRS (Cont.)

Titan 2-segment motor: 206,120 lbs propellant
22,000 lbs NOx
106.7 lbs/1000 lbs propellant

Titan 5½-segment motor: 465,800 lbs propellant
22,000 lbs NOx
47.2 lbs/1000 lbs propellant

STS motor: 30,451 lbs propellant
1,437 - 3,249 lbs NOx

The initial work performed by the USAF in the 1986 Environmental Assessment suggested that NOx emissions were less a function of the quantity of propellant than of the burn time, the size of the plume, and the degree to which turbulence in the plume entrains oxygen from the ambient air which, at the high temperatures present in the plume, combines with nitrogen in the plume to form NOx, principally in the form of NO. Thus, care should be taken before using the above values to estimate NOx emissions from the STS launches. However, the data clearly indicate that NOx emissions from the launches will not be negligible, and should be quantified in the EIS.

March 23, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EDV (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807

Dear Sir:

I am writing in regard to the E.I.S. for the U. S. Army's proposal to conduct "Star Wars" research at the Pacific Missile Range Facility on Kauai, Hawaiian Islands.

It is my belief that it is totally crazy to by spending even one cent on such stupidity in this present world environment. Now that the

Soviet Union is no more, who are we supposed to be protecting ourselves against anyway? The 1980's and now the 1990's have shown us that we can ill afford to waste funds on such projects when our entire infrastructure is coming apart at the seams.

Perhaps if there are really enemies of the United States, it would not be those from the outside that may wish to destroy us, but all those

responsible for such projects as Star Wars and those who support them for

whatever reason. To sacrifice our country for such waste IS truly

Unamerican

Sincerely,
Samuel J. Burris
Samuel J. Burris
1875 Kalanianaole Ave., #705
Honolulu, HI 96720

WR11

RMS92-43

24 March, 1992

Deputy Commander

U.S. Army Strategic Defense Command
CSSD-EN-V
P.O. Box 1500

Huntsville, AL 35807-3801

Attn: Paul J. Muller, Colonel, U.S. Army
Acting Deputy for OperationsSubject: DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC
TARGET SYSTEM PROGRAM

In my capacity as the General Manager for the operating contractor at PMRF, I have reviewed the subject document and I have concluded that the Army has thoroughly analyzed all of the potential hazards associated with the program. The project does not pose any unusual or difficult scenarios outside the normal capability of PMRF.

Our workforce is completely trained to support the PMRF Commanding Officer in his role as the safety review authority for the project. You have identified the transportation and launch issues very well and the safeguards provided are more than adequate. The pre-launch preparation represents a realistic technical approach to ensure a safe launch.

PMRF, with its present capabilities and proposed future technical upgrades, is an ideal national range to conduct projects such as STARS. The DoD requirement to accomplish more testing and training with less resources mandates combining research, development test and evaluation with training capability on ranges like PMRF. This range has excellent growth potential for special strategic projects due to its geographic location, unrestricted sea and airspace, tracking equipment and experienced workforce.

We believe that national ranges must be flexible enough to shift technical assets and capability commensurate with rapidly changing national priorities in order to provide cost-effective testing and training resources. I feel that the STARS program complements the mission of PMRF and enhances its position for the future.

Ronald M. Shields

General Manager

/kc

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The Draft EIS is a good report but it is incomplete.
It does not address, in particular, the benefits, if any, to the island of Kauai, if the STARS program is approved.

I respectfully submit that Kauai's interests do not feature at all in the overall plan from the Military. We on this island are merely a geographically convenient launching pad for the firing of missiles. The potential for accidents is scary.

In today's world we must seek other ways of achieving global peace. Expanding the war machinery is an antiquated way of promoting peace.

Not the least of my concerns in the project of the Marshallese now living in Tinian, Ebeye Island, having been ousted from their homeland on Kwajalein. Marshallers from Kauai will be aimed toward Kwajalein, further hurting the Marshallese people.

Name Maria C. Snyder, M.D. Thank you for addressing the Marshallese people.

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Street Address P.O. Box 58, Kapaa City/State/Zip Code HI, 91746

March 23, 1992

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR14

Dear LTC. Wingers & Mr. R. Gallien:

It has been for me a privilege, a moral duty,
and especially an honor to have supported the
STARS program this far. I look forward to our
first launch!!

Donald Aquino
4430 Rd St.
Lihue, HI 96766

WR13

Re: EIS for Strategic Target System, Kauai, HI.

Dear Mr. Gallien,

As a taxpayer I am not in favor of spending tax money on the Strategic Target System.

My comments are about the section in the EIS paragraph 4.12, Socioeconomics. This section is very poorly developed in the sense of the costs to the people in Kauai of their tax money being spent on the system. No figures are given as to how much it will cost each citizen. Additionally, no estimate is given for if the money that is being spent on fuel and hardware were spent in a more productive manner what the effects would be on the socioeconomic of Kauai. Jobs could be created if the cost of the project were given to Kauai County. They could improve the homeless situation, improve the parks, schools, and roads. These projects would definitely add jobs and improve the quality of life as well.

The other longrange concern has to do with the brain-drain of scientists in our country to continue working on useless military projects when they could be solving other problems. Alternative energy sources, improved machines, and many other creative projects could be developed if our scientists could be free from spending so much time on useless military projects.

Investing in our children as scientists by spending the money on science classes would be a longrange socioeconomic benefit and the cost of not doing that should be expressed in an EIS that talks about socioeconomics. The money for one launch would pay for many computers in our schools.

Kauai is not the place to launch the system and I believe it should not be launched anywhere else, either.

Sincerely yours,

E. Woodard, Ph.D.
Suite 3039-129 Kaumualii Hwy
Lihue, HI 96766

WR15

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not feel that we the Government should be putting the kind of money into the Strategic Target System to such a scale as endangering the ecology of the US and those used for financial aid we have them in a position to help them only if they were their ICBM shield then we don't need a destroy Steel B.P & file on what we might do instead of the single site straight by the Dogbane Army with the cellulose for the last 5 years. Line starts from either end the line and together Name _____ M. Monroe Address _____ P.O. Box 1364 Hamlet NC 27345 Street Address _____ City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD/EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Street Address _____

My comments _____

all the info to the senator + representee.

WR16

Attn: Mr. D.R. Gallien (CSD/EN-V), Deputy Commander 27 March 1992
US Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Subject: Testimony on the DEIS for the Strategic Target System, US Army,

February 1992

My name is Don Heacock, I'm a professional fisher/les biologist and scientist. Although I am in favor of having a well-trained military to defend our fine country against national emergencies and foreign attack, I am totally against nuclear warfare and against the proposed STARS and EDX testing by the Dept. of Defense (DoD) at PMRF, Barking Sands, for the reasons listed below.

Our National Budget cannot afford the SDI program. SDI is an offensive, not a defensive system, that was conceived out of old-time Anti-Communist fundamentalism. SDI makes no sense today, economically or socially, since the Cold War is over, the nuclear Arms Race is over (except for SDI), and Marxism and Communism have succumbed to the American way - Capitalism. Furthermore, SDI "protects" only against ICBMs, not against nuclear weapons carried by airplanes, submarines, trucks or suitcases.

For many decades the nuclear arms race and SDI have been the \$100+ billion dollar brain drain on the United States of America, where these programs have re-routed untold 1,000's of the brightest minds in America away from more important fields of study such as improving our educational system, and making socially and intellectually meaningful advances in science, medicine, and technology.

The STARS and EDX testing are having a negative impact on the social, cultural, and environmental resources of the native peoples of the Marshallese Island of Kwajalein, and of native Hawaiians who have similar concerns on Kauai, particularly regarding the Sacred Nohili Dunes area of Barking Sands.

Both the EA and EIS for the STARS and EDX programs inadequately address the potential negative environmental impacts these programs may have on nearshore marine ecosystems, particularly endangered and threatened species, which occur around Kauai, Niihau, and around Kwajalein atoll.

Finally, the average man, woman, and child "gives" about \$1,200 per year in tax dollars to supporting the SDI program, a program which was ill-conceived and is now obsolete. PMRF was on Kauai before the SDI, STARS, and EDX programs were conceived, and PMRF will be here after these obsolete programs are abandoned. The only way the public can stop these wasteful testing programs on Kauai is to immediately WRITE AND PHONE THEIR CONGRESSIONAL DELEGATES, particularly Senator Daniel Inouye who chairs the Defense Appropriations Committee, his phone number is (202) 224-3934.

Sincerely,
Don E. Heacock
Donald E. Heacock
P.O. Box 1323
Lihue, Kauai 96766
cc. Senator Daniel K. Inouye

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Support the "NO ACTION ALTERNATIVE"
Because environment is our economy
We cannot risk losing ONE accident
PLEASE stop this program IMMEDIATELY.

Gincerely

Beth Francisco
 P.O. Box 930
 Hannalei HI 96714

Name _____ Street Address _____ City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSD-ENV (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please consider all of the ramifications of "standards".
We do not want it on Kauai. In fact I don't want it anywhere.
Make sure NOT was

Not only will humans live in danger but the standards
affects of man made manmade targets to be determined
we must protect our beloved land people and animals
and not be placed in jeopardy nor one old missile target
 Please pray and meditate on this
No decisions we will all lose if
allowed to be first off of Kauai
NO STAR WARS!

Respectfully submitted

Name Chadine L. Bentz
 Address P.O. Box 147 Brakaha HI 96703
Street Address _____ City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSD-ENV (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The impact of the STARS program on a global scale is catastrophic & dangerous.

The impact of the "STARS" program on a local level will endanger our "Hawaiian peace-time economy" by
overutilizing our military boulders when others & money
should be utilized to a peacetime economy. The impact
of the "STARS" program on a local level will
affect our tourist industry to adverse public safety,
city and our local population & the threat of
an increased cost to struggle, isn't access to an
important State park at Bellahale & further
divide of culture. The racial animosity that
already exists. The impact is all negative!!!

Name Philip Freeman

Address P.O. Box 1120 Kekaha, HI 96757
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sirs:
A lot of work and money have gone into this DEIS, but I still
must protest. The military's plan to shoot Polaris missiles from
MRF to Kwajalein in the Marshall Islands. It is time to honor
treaties and stop this "Arms Race". The island of Kwajalein is too
vulnerable. Any accident could and might happen.

Our military has overspent and overburned and to many of
us "STARS" is just another way to waste money. That could be spent
helping our citizens. Our national debt is a disgrace to our
government and one way "to show" is to cut unnecessary
(STARS) spending.

It is also immoral and inhumane to have moved an island
people from their homes in order to have a "target". The
people of the Marshall Islands should be permitted (own)

Name Jeanine Hatchings

Address P.O. Box 3438 Princeton, NJ 08542
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System

Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*Volley Chills are all healthy — now men
destroy it healthy
Gimble we are healthy — now look at it!

Save some heart for our children — please use
your heart & mind together — that's why they
come in the same package.*

Name *Jamae Effler*
Address *P.O. Box 100* *Lake, Kona HI 96740*
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

To whom it may concern,

In reference to alternatives eliminated from further consideration (Sect 2.3) I would like a United States recognised international law expert.

Thank you for handling our personal safety, our homes, our lives, our children in a mature + responsible way. I try every day to do something nice for the next person. I can give you the opportunity to be the same.

Thank you very much,

*Jamae Livingston
Box 833
Hanalei, Kauai
96714*

WR24 Name: James L. Dawson
Employee of the Base

Thank you for allowing this time to voice my opinion.

My family has been in the islands and PMRF for approximately 27 years, with the exception of a 3 year stint in California. (of which two of those years were with PMRF.)

1. First of all, I would like to commend, the limited few of those in opposition to the STARS launches at PMRF for taking the time to read and try to give some constructive criticism to the EIS process. Were it not for them, our country may be in the chaotic state of other countries around the world.

2. I would like to point out that PMRF and the Navy did not just rubber stamp either the initial EA or the EIS. Many long and hard hours have been dedicated to ensure a safe and successful STARS operation. Long before the initial EA was submitted by the Strategic Defense Command, it was made perfectly clear...that the Navy would not accept the program until certain conditions were met. Certainly not the least of which....was the concerns for the public safety and community relations/concerns.

3. The Not in My Back Yard (NIMBY) syndrome seems to be running rampant on other side of the Island, but what about those who's Front Yard is affected, i.e. the Westside and yes the Kwajalein Atoll (which was addressed via a separate EIS). Some of you may not know it, but the US Navy and PMRF employ some of the most restrictive safety and environmental requirements of Training/Testing ranges around the globe. If there are those of you in the "front yard" that still feel uncomfortable about the possible presence of STARS launchers....please address them in your comments to the DEIS.

4. I can not speak for the US Navy or Capt. Mullens, but wish to discuss a personal feeling as to the loss of PMRF, if STARS does not come to PMRF....NO, it more likely will not immediately close the base. But, it will have a definite effect on the reimbursable dollars that have been used in the past to make us the premier training range in the world. As the defense dollars decrease (already a 25% cut next FY in our operating budget....congressionally mandated), PMRF must continue to obtain Test and Evaluation (T & E) dollars to survive without drastic cutbacks. PMRF is not unique in this area, as all defense projects and support areas are presently doing the same thing. Therefore, I would urge the final EIS to reflect there may be a significant impact to the SOCIOECONOMICS of Kauai.

Respectfully,
Terry L. L. L.
Public Employee

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

1
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

See Attachment

Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-IN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet.

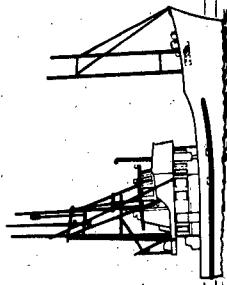
Having a degree in science and 21 years experience directing missile and rocket launches from PMRF, I am confident that this program is sound and the margin of risk is acceptable. Please do not let a mayor and a small political action group formed and controlled by her (Mayor Joanne Yukimura) decide the fate of this project.

I have only lived on this island for 6 1/2 years, however in that short period of time I have made certain observations of Kauai that might help you make your final decision to go forward with the STARS program on Kauai. (1) One only needs to drive around the island one time to see where all or most of the county funds go into making Kauai a better place to live. The Mayor has always helped the East shore communities before the West side gets any improvements.

(2) PMRF is the only place educated well trained people can get a job on the West side. From the time many children are in High School till their middle twenties they go into the service to learn skills needed by PMRF or attend private Universities to bring back those skills to this area. There are not a bunch of transplants who come in here for a few years and cause trouble then move back to the mainland.

(3) The few Hawaiian protesters that have a vision of a few receiving a large amount of land is a false vision that the State will never let happen. The land in and around PMRF will be doled out in small house lots many years after the fact or will be exploited for Resorts. PMRF is the only thing left on the West side that blocks development.

It shames me that a mayor that I myself voted for has acted so irresponsible and broken her oath of office by only representing a few and not all of the people she governs. Please consider the options and give the people of Kauai the program for they do deserve it.



THE HOKU-IWA CO. LTD.
P.O. Box 197 Hanalei, HI 96714
1808 826-6710

March 30, 1992

United States Strategic Defense Command
Post Office Box 1500
Huntsville, Alabama 35807-3801

Attention: D.R. Gallien

I would like to go on record as being AGAINST the STARS proposal on Kauai, Hawaii for the following reasons:

1. As a Taxpayer, I feel too much of my dollar is being spent on defense and not enough on education, health and the other more important issues in our country today.
2. I believe the earth will not benefit from these rockets being fired.....the emissions, the ozone accumulative effect, the area surrounding the launch site....all of these issues I feel I haven't gotten enough information to make me believe the launchings will have no adverse effect on the environment.
3. The area of Nohili is a special place in the Hawaiian culture. I believe the government of the United States must come to terms with their unfair action of 1893 when the lands of the queen of Hawaii were unjustly confiscated.
4. The military personal designated by their yellow t-shirts as supporters of STARS were very rude during the testimony given in Lihue last week... The intimidation they caused was of subtle infringement of the right to free speech. It showed the ugliness that military

2.

Written Comment Sheet

propagana can evoke... I think from the information I heard these people's jobs were not threatened....Even if they were, many people in the United States are out of work because of the economic situation caused by the current governmental philosophy of overspending... which brings us back to my first reason expressed in this letter -- that of overspending in the area of defense.

Thank you for listening to my plea.

God Bless America.

Sincerely,

Kathleen Steward

Kathleen Steward
S.S. 082-36-5069
Box 397
Hanalei, Hi. 96714

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Gentlemen:

As a resident of Kauai for the past five years, and a visitor to Kauai for seven years prior to moving here, I strongly urge you to reconsider your position regarding the STARS testing here on Kauai.

I think it is extremely short-sighted to forget the fact that there is only ONE KAUAI, AND ONCE WE DESTROY OR ALTER THIS ISLAND WE CANNOT GET IT BACK.

Secondly, at this point in history, is the Star Wars Defense System really necessary?? Wouldnt our money be better spent on DISARMING this world rather than further arming it.

I URGE YOU TO STOP THIS UNNECESSARY RISK TO OUR ISLAND. THIS IS THE ONE AND ONLY KAUAI WE HAVE — LET'S NOT BLOW IT.

Sincerely,

Name Alison L. Dunn
Address Post Office Box 706, Hanalei, Hawaii 96714
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I believe that the very spirit of our island best fit factoring consideration, like a place of living. Consideration. STS is totally alien to what Kauai stands for. I believe NOT enough consideration has been given to Nohili. Duries & other sites fleet. The Robert's outfit is concerned (but) might inflict

significant environmental damage. I believe this basic assumption does not economic & not a matter of national defense.

Thank you for making my thoughts,

Name Howard Shapiro

Address P.C. Secy 961 Lihue, HI 96766
City/State/Zip Code
Street Address

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

C. Diamond
Co 36
Honolulu, HI:
26/1/94

March 28, 1992

To: Deputy Commander

I am writing to express my concerns about the proposed missile launches from Kauai. Kauai is one of the few pristine places where the beauty of nature abounds, its breath-taking waterfalls, mountains, oceans, the cleanliness and purity of our air and water is what attracts people to our island. This purity, feelings of peace and safety is what Kauai is about. missiles in paradise?

How can you seriously want to destroy our tranquil beauty and peace. I don't wish to send ~~missiles~~ missiles to our Polynesian cousins and take away their rights to their island home. The ozone layer and its dwindling protective major problems facing us today. The chemical launders will seep into our atmosphere right here on Kauai will further thinning of the ozone. Here on Kauai the sun is so strong already, we cannot afford to do anything that will knowingly destroy the ozone.

PMPP is on crown land. This land belongs to our Hawaiian people and they should have their land returned, not contaminated by toxic fuel spillage; leakage, or catastrophic launching.

What about our neighbors on Ni'ihau?
 A catastrophic launch could seriously jeopardize
 the health and livelihood of Ni'ihauans.
 The restricted access to Polihole is
 another issue which is unacceptable to me.
 The Whales are another major concern. The
 draft EIS states that they'll check the area
 for whales and call off the launch if they're there.
 Well they are there whether you see them
 or not, They are there. I have seen whales
 in record numbers this year. For all life,
 the whales, the dolphins, the sea turtles, all plant
 life, extinct, near extinct and plentiful varieties,
 human beings - Please take your missiles away
 from Kauai. WE don't want them.
 We can't even get a playground for our
 children on Kauai, how can you spend so many
 billions on a defense system that leaves so
 many open holes elsewhere. Kauai is too small
 for this kind of missile launch. Kokee Rainforest
 would be threatened due to upper atmosphere
 prevailing winds that blow inland. Please protect
 our environment, one of the last pristine, truly
 magical places in the United States.
 Please say No to missiles on Kauai!
 Sincerely, Karen T. Diamond
 Karen Diamond

RAYMOND L. CHUAN
 PO Box 1183
 Hanalei, HI 96714
 808-425-6814

March 30, 1992

U.S. Army Strategic Defense Command
 CSD-EN-V (D. R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

In reference to the STARS Draft EIS I have the following questions and comments.

- [1] 1. Has the Memorandum of Agreement with respect to the ground hazard area been executed by the Hawaiian State Board of Land and Natural Resources? If not, when do you expect to have it executed?
- [2] 2. Has the Grant of Easement been executed by the State of Hawaii? If not, when do you expect to have it executed?
- [3] 3. In Section 2.1.2.3 (p. 2-25) of the DEIS there is the statement "PNIRF will notify the State of Hawaii and the Kekaha Sugar Company at least seven days prior to launch before exercising rights under the easement." In Appendix B, Draft Memorandum of Agreement, Paragraph 11, "The Navy will notify the DLNR(illegible)..." Hawaii Department of Transportation at least seven days prior to each rocket launch or closing of any position of the Kaumualii Highway, ..." In Appendix C, Draft Grant of Easement, Paragraph 7, "The United States will attempt to notify the State at least seven (7) calendar days prior to each scheduled launch requiring the exercise of the above rights." Since the Grant of Easement is the controlling document here, as far as the U.S. government's right to control state land is concerned, does it mean that the U.S. will only attempt to notify the State, rather than "will notify"? If so, the U.S. government is under no obligation in practice to notify the State of Hawaii of any rocket launch. Is this correct?

A timely response to these questions will be appreciated, in view of the intense interest in this matter on the part of the residents of Kauai.

Thank you for your cooperation.

Yours truly,

Raymond L. Chuan
 Raymond L. Chuan, PhD

WR31

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The only acceptable alternative on your SIS is the No Action Alternative. The only Kauai citizens who are really in favor of SOE on Kauai are those who are employed by PM&E. Your records of comment would accurately reflect the opinions of Kauai residents if those letters from PM&E employees were taken for what they are, a plea for job security - when actually those jobs are not at risk.

Name Pamela Palmer
Address P.O. Box 238 Hanapee, HI 96714

Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-ENV (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

WR32

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To Whom It May Concern:

By way of introduction, my family has resided on Kauai for generations. I attended Koloa Elementary school on Kauai and the Kamehameha Schools and the University of Hawaii on Oahu. After completing a tour of duty in the United States Army, I obtained a BBA in Marketing from the University of Hawaii and a JD from Willamette University in Oregon. I moved to Idaho and practiced law for seven years before returning to Kauai in 1980. My children are enrolled in the local schools, I practice law in Lihue, and my family is involved in various community organizations, citizens advisory committees, and government boards or commissions.

I do not love war; I am personally acquainted with its horrors; and I do not wish my children to have to serve, as many have already

Name Hartwell H. K. Blake

Address 4334 Rice Street, Suite 202, Lihue, Kauai, HI 96766
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-ENV (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

many have already served in this century.

Although defense spending is being curtailed, STARS/SDI research is the only defense related program for which Congress has seen fit to increase appropriations. Kauai is fortunate to already have a facility which can very easily adapt itself to STARS/SDI requirements.

My support for the STARS program goes beyond my hope that PMRF remains a major employer on the island of Kauai. I am aware of the risks involved in the STARS program. However, I believe that the United States Army and the citizens employed at PMRF will take all reasonable precautions to protect themselves, their families, Kauai's residents, public and private property, and our environment.

It is my understanding that the facilities which are already in place at PMRF, together with the deep water open ocean environment bordering Kauai's western shore, the freedom from encroachment of sea lanes and air lanes, and the extreme distance to other island groups and land masses, combine to make PMRF the safest underwater and overwater testing site available in our country. It is selfish to block the use of these available facilities and to send these programs to the continental United States where they pose an increased risk to persons and property.

We live on Kauai because of the tranquility which the island provides to us and because of the aloha which we share with each other. Nevertheless, we should not lose sight of the

fact that we are individually responsible as citizens to do what we can do best, to insure a strong national defense, which will not only protect our own way of life, but also foster world peace. We have the capability on Kauai to assist in achieving these goals, and we should not shirk our civic responsibilities.

WR33

JOANN A. YUKIMURA
MAYOR



GLENN H. SATO
DIRECTOR

COUNTY OF KAUI

OFFICE OF ECONOMIC DEVELOPMENT
4444 RICE ST., RM. 204
LIHUE, KAUI, HAWAII 96766
TELEPHONE (808) 245-7305

April 1, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sir:

My name is Glenn H. Sato, Director of Economic Development for the County of Kauai. I wish to submit comments and questions regarding the draft Environmental Impact Statement for the Strategic Target System Vehicle Launches from the Kauai Test Facility at the Pacific Missile Range Facility on the island of Kauai, Hawaii.

First of all, I wish to state my support for the Pacific Missile Range Facility and its contribution to the economic well-being of Kauai. PMRF has been a good neighbor, employer and contributor to the community. I hope this relationship continues.

I have written and contributed to the preparation of environmental assessments and environmental impact statements. My questions and the resulting answers should contribute to a more complete EIS document and allow for a better determination of environmental impacts. The document as submitted is incomplete and should be revised. Data included in the previously filed assessment must be included in the EIS if pertinent to the discussion. The following are direct comments related to the draft EIS:

1. I wish to inquire as to the process leading to a final EIS. Will the comments be incorporated into a revised draft EIS so the public may examine the answers to the questions about the draft?

2. What are the differences (size, fuel, age, hazards, etc.) of the missiles to be launched versus what has been commonly launched?

3. In referencing the oil/hazardous substances spill contingency plan, are trained HAZMAT personnel on site at all times? If not, why?

MAILING ADDRESS: 4444 RICE STREET, ROOM 230, LIHUE, HAWAII 96766 FAX NO: 245-6479

WR33 (cont.)

4. What are the possible effects of a liquid fuel spill? Is there any possibility of a gas cloud forming and moving to populated areas?

5. Page 4-59, Nitrogen Tetroxide: The exposure tables as shown in appendix F should show the possible effects to humans and animals. What could the "dilute vapor cloud" do to humans and animals? Page 4-59 discusses low level exposure to nitrogen tetroxide fumes possibly causing eye and nose irritation and yellow staining of the skin, yet the following sentence says that "its vapors may cause permanent injury, primarily in the form of burns to the tissue or pulmonary tract." These two sentences are inconsistent and an exposure table with resultant detrimental effects should be provided and discussed.

In addition, all discussion seems to center on transportation methods, however, there is no discussion on mitigative procedures in the event of an unforeseen accident. I am specifically referring to any disaster response plan involving military, State and County personnel. This plan should be in place before any activity and should be properly addressed in the draft EIS.

6. There is a significant lack of quantitative information regarding the existing conditions/environment and very little discussion of the impact of the proposed project on these conditions. For example, ambient air quality studies and baseline biological surveys are lacking. How will anyone be able to say if impacts have occurred and to what degree if baseline data on existing conditions are not available?

The summary on ES-5 states that construction will remove only 0.4 acres of weedy ground cover from an area that is regularly mowed. Assuming that additional areas are needed for the entire project, a biological survey should be conducted by qualified biologists and botanists. Impacts from construction cannot be mitigated by relocating plants if the plants are not identified and located before work commences. Construction workers do not usually know a rare plant from a weed.

7. Exactly how many launches are scheduled? The EIS states 4 launches per year for 10 years. Is this still true?
8. Page 4-62. The discussion states that all shipments (of liquid propellants) will be scheduled to avoid peak traffic periods for roads and to avoid high-use times for harbors and known seasons for rough seas.

Kauai's main thoroughfare from Port Allen to PMRF is a two lane highway with very heavy traffic. Has the

- Strategic Defense Command collected data on traffic counts and movements to determine approximately when these periods will be? Traffic data may indicate that the only feasible time would be at night, which may present additional safety concerns that should be addressed. This should be discussed in the EIS.
9. What is the approximate timetable for the proposed launches? The EIS does not address Kauai's known season for rough seas and the reality that liquid fuels for many launches may be stockpiled at PMRF. It is inadequate to have the EIS give a blanket mitigative measure and not address specifics.
10. Page 4-68. Discussion of ozone depletion centers on the "relatively small quantity of ozone" that could be depleted. Further discussion talks about the release area over the Broad Ocean Area and that no population centers would be in the affected area. Hawaii, in comparison to other areas of the world, generates insignificant amounts of ozone-depleting substances, yet the ozone layer over our state has been significantly affected. It is my understanding that ozone depletion is on a global scale and as such should be discussed in this manner in the EIS.

11. How many days in the year would the safety zone be in effect, from all PMRF operations, in addition to the proposed launches? There should be some discussion on possible negative impacts to commercial boating activities based out of Port Allen where the 3 mile limit may be detrimental. Reference is made only to commercial fishing activities and not to tour boats. The safety zone lies between Port Allen and the scenic Na Pali coast.
12. Why were County agencies not contacted in the preparation of the draft EIS as indicated in Chapter 7?

I hope my comments and questions result in a more comprehensive EIS that will provide Kauai citizens the proper information to determine the environmental impacts of the proposed program. I will await answers to my questions and the issuance of a revised draft EIS before determining if no significant impacts are anticipated from the proposed project.

Thank you for your attention to my comments and questions.

Sincerely,

Glenn H. Sato
Glenn H. Sato
Director

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

1
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System. I am in full agreement with the findings of the Draft Environmental Impact Statement for the Strategic Target System. Based on these findings, there should be no further reason to delay this program once the E.I.S. is released. The STARS program has my full support.

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12
13
14
15

Name	Vivian Kutaka
Address	P. O. Box 730 Waimea, HI 96795
City/State/Zip Code	
Please hand this form in or mail by April 13, 1992 to:	
U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallen) P.O. Box 1500 Huntsville, Alabama 35807-3801	

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Deputy Commander:

As a resident of Kauai I would like to voice my concern at the prospect of having a Star Program on this Island.

First, it is inappropriate to expect that accidents do not happen. Look at the Valdez Oil Spill in Alaska, Chernobyl in the Fed. of Soviet States, Three mile Island in Penn... and the list could go on... These are only a few examples of what people said could never happen... and did.

Let us not use the beautiful Island of Kauai as a test site for antiquated weapons. Our country is moving away from the threats of the cold war.

Name _____

Address _____
Street Address: Hanaelei, HI 96743 City/State/Zip Code:

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

P.S.
If at all possible, I would appreciate a reply.

and into an era of peaceable negotiation. Unfortunately, the need for land defense means a reduction of jobs in that category - However, we could find a more productive use of our tax dollars to employ those people that will lose jobs due to a reduction of the defense budget. Consider, for example, using the Barking Sands facility for radar tracking and air and sea safety rescue activities. Perhaps these individuals whose jobs are threatened could become part of a research team to relocate and envelope sensitive housing of alternative for the many already displaced Pacific Islanders.

Finally, the community, begin to work together with the government in strengthening our ties and reuniting our love of the country in a safe and productive way.

Please, do not go ahead with the proposed plan for Star Wars testing on the Island of Kauai... Accidents do happen.

Very Sincerely,
Suzanne Reed

WR38 (cont.)

STAR PRODUCT OFFICE
U.S. ARMY STRATEGIC DEFENSE COMMAND
CSD-EN-V
P.O. BOX 1500
HUNTSVILLE, ALABAMA 35807-3801

Dear Colonel,

I am sorry that I did not have the pleasure nor the opportunity to personally say Aloha and MAHALO NUI LOA before you left Kauai. But I would like to do so now...On behalf of my most beloved and treasured possession, my 7 year old grandson, and all of our patriotic and loyal American-Kauaians, I would like to say a big MAHALO...We know and appreciate the objective of your mission with respect to national defense. We also appreciate the way you handled yourself amidst volatile and acrimonious adversity, namely that "Bunch" maverick protestor-activist from Kauai's north shore.

Please keep in mind and proper perspective that Elizabeth Freeman and Suzanne her side-kick are NOT endemic to the sands of Hawaii; but are really the flotsome from the mainland United States that was carried by ocean currents and somehow washed up on the shores of Kauai. Now that they are here, they act like "they own the joint" by imposing their prejudices, likes and dislikes upon us native Hawaiians and Kauaians. If we Hawaiians had our way we would send them back from whence they came, but we have not canoes that can make the trip to HADES! You know Colnei, I have driven tours on Kauai and Oahu for nearly 24 years, and I also used to ask the tourist if they have enjoyed the beauty of Kauai's beaches, canyons, waterfalls, the sculptured cliffs of Napali, and the warm and friendly people of Kauai...if they said yes, which almost always was the case, I would ask that they not take the usual gifts home to the mainland such as pineapples, macadamia nuts, Kona coffee, or anthuriums, but instead take a "HIPPEE" home with you. But alas, as you can see, both Suzanne and Elizabeth Freeman are still here!!

I don't know if you caught the point of the remarks that some of our local supporters were shouting back to Elizabeth group;"Go home haole"! But what they were referring to was the fact that overwhelming majority of the protesting activists ARE NOT ENDEMIC TO HAWAII!! And ever since their arrival here they have not been a welcome addition to our community. They can only criticize and condemn but offer nothing constructive to resolve the problems which have been created by their presence here. Therefore, please be very careful when you evaluate the written and oral testimonies that they have rendered. Especially pay particular attention to how long they have been on Kauai...then you see the difference of cultural values more definitively and more accurately.

The 5 page letter I have enclosed is my statement/testimony that I would like to enter on my family's and my behalf to show support of the SPI & SPARS Project. I am neither a journalist a writer of any sort, and I have never taken typing in high school or college, so please forgive and over-look all the typo errors, the errors in grammar, and the word omissions that is readily found permeating that document. I am mailing that 5 page document to our 4 congressmen in Washington D.C...if I knew when the congress was going to hold hearings on this issue, I would endeavor to catch a "Pop" to D.C. and give testimony in person. After all I am retired U.S.A.F. and therefore, either gang will be doing the same. Anyways Colnei, I know that Elizabeth and her gang bless you and your family, until we meet again, A HUI HOU KAKOU!!!

*James G. "Larry" Ariola
2/16/92*

Washington, D.C.
U.S. Congress
March 30, 1992

Dear Senators and Congressmen:

Last week Tuesday and Wednesday, March 24 and 25, the U.S. Army held open hearings on the SDI or Star Wars programs slated to be conducted during the next ten years if the U.S. Congress will go along with this program. It is my hope and the hope of all the Veteran Organizations on Kauai that all four of you folks in Washington will also be supportive of this ambitious undertaking. I would like to call to your attention some facts that maybe overlooked in the multitude of testimonies given in those two nights.

A. KAUAI'S VETERANS MANA 'O...

Hopefully, you will remember that most of Kauai's vets are local boys that are by nature, very timid and are too embarrassed or self-conscious about their inability to communicate effectively before the general public. They also feel this same way about voicing their opinion in written form to you folks in Washington. But these veterans showed up in force wearing yellow T-shirts, which was the uniform of the day for the occasion. There was quite a few veterans there at the War Memorial/Convention Hall in Lihue. These vets all were solidly in support of the U.S. Army SDI program at PMRF-Mana. These vets feel that they gave their lives, limbs, and their youth to this country. They gave freely, loyally, and without hesitation to keep this country free from wars, and threats of wars, so that they and their children, and their children's children, would be free from foreign nuclear intimidation or any other form of military coercion, especially in the form of ICBMs or IRBMs. In order to accomplish this goal of being free from worry with respect to these missiles that can ruin the peace and tranquility of Kauai, we Veterans of Kauai VERY STRONGLY URGE YOU TO SUPPORT THE U.S. ARMY'S SDI MISSION! PLEASE!! Please also know that the over-whelming majority of those protesting the SDI program do not live in the westside of Kauai, but come from primarily the affluent areas of Kolaa, and especially the Kilauea-Princeville area. They also got up and testified that they were only 4 to 7 year residents of Kauai. And in all probability are not veterans, meaning that they have NEVER served in the armed forces like we have! Please remember that we are the Kamaaina, and they are the malahini haole's that "Appear" to be malcontents, misinformed, acrimonious, vociferous, flotsam that washed up on our shores and have never contributed anything for the benefit of this county of Kauai. They are very analogous of the 1960's agitators that we saw too frequently on television during the Vietnam conflict.

Like those street and campus agitators of the 60's, they know how to manipulate and/or utilize the mass media to achieve their ends. We locals on the other hand have newspaper or television support to back up our protests against these rabble rousing, loud uncouth deviants and protestors. I bet you that if a plebiscite or a referendum was added to this year's election, you would see that we veterans and the general population of Kauai would be staunchly behind the U.S. Army! But alas, our county is too poor to afford this luxury!

B. NATIVE HAWAIIAN IMPRESSIONS AND MANA'O:

I am an aboriginal, native, polynesian Part-Hawaiian; I have more than half of this native blood as you can tell by my family name. I love my native Hawaiian culture. As a matter of fact, I have taught "Hawaiiana" and Hawaiian History at the Travel Academy as well as two semesters at Kauai Community College. My Hawaiian genealogy has been traced back to Alapa'i, the great-great grandfather of Ka'u, Hawaii. I have another ali'i ancestor that was one of the kuhunas that officiated at the sacrifice of Keona at the Puu Kohola Heiau at Kawaihao Hawaii in the late eighteenth century. I also have the high chief Hawailoa of Maui as one of my ancestors. Therefore, I have both the knowledge, the mana o a as a native Hawaiian to qualify myself as an individual native who can speak for himself of native Hawaiian issues!

I therefore want you to know that those misled, misinformed native Hawaiians that were present at the Convention Hall for the hearings, speak for themselves and not all or the majority of the native Hawaiians that I know. They seem to be looking for a forum to speak other Hawaiian issues such as Hawaiian Sovereignty and the preservation of Hawaiian language. There also present amongst the native Hawaiians those people that had taken over the public areas of Anahola Beach Park and had to be forcibly evicted from that Park by the DHHT, and the KPD. In other words other than Alethea Kauohi and Kalani Flores, and a few others, there were NO native Hawaiian who could contribute any logical and not emotional argument that was pertinent to the issue in contention.

I have found out that the U.S. Army has gone way out of its way to desecrating either ancient Hawaiian grave sites or temple (heiau) sites. I also found out that no digging of any sort relative to the construction of the test launching site, is ever made without Dr. Kikuchi, Kauai's eminent archaeologist and teacher at Kauai Community College, being present during the archaeological digging. The cost for Dr. Kikuchi's presence, the re-interment of any bones found at or near the launch site of Nohili, and the salaries of Mrs. Kaahu and Kalani Flores, have all be paid for out of the U.S. Army funds for this project. As far as my personal research into the activities of the Army's efforts in that area convinces me that the Army has gone out of its way to avoid destroying or desecrating graves and other archaeological sites. They have shown great respect and have treated our ancient culture with the utmost reverence and dignity. I as a native Hawaiian am greatly impressed, gratified, and appreciative of this treatment... Very much worry or credit to the U.S. Army.

סידן הדר ברכבת

Last year we witnessed our highly developed high-tech weaponry at work first in "Operation Desert Shield" then in "Desert Storm". As we saw on the television coverage of the PATRIOT vs SCUD missile confrontation, you cannot deny that spectacular performance of this anti-missile missile was awesome. Post war criticisms arose soon after the crisis stating that our PATRIOT missile was only effective 50% of the time. There seems to be some very important facts missing from this criticism, in fact the most important fact that this weapon system had NOT completed its "Shake Down" tests of research and development. But because of the urgency of the situation to do something, anything to stop the Iraqi SCUDS, it was rushed into emergency usage anyway. If it had completed further testing and subsequent refinement and development, I am positive that the PATRIOT's performance would have been a lot better! However,

C. (CONTINUED) :

the fact that the research and development was not completed, under-scores the necessity and importance of high tech research. More especially in the high tech area of anti-ICBM and IRBM research. Speaking for the veterans of Kauai, I know that if we had a developed and refined anti-ICBM missile system providing our families and communities with a protective "umbrella" to live under, we would rest a lot easier than not having anything at all. So please do your share in the halls of congress to give us this protection!!!! P.L.E.A.S.E. SUPPORT S.D.I. STARS RESEA CHILLI!!!!

PMRF now employs approximately 500 people at present, if you multiply that figure by 1.5 because of the wife and child effect, you will see that there are at least 1200 people that depend on the continuation of basic aerospace research as well as naval maneuvers off the coast of Kauai. With the anticipated 4 launches per year, there will be a total of 600 more personnel coming to Kauai per year. This amounts to a very large amount of money. Here is an estimate of financials.

STEVEN

1. There will be 4 launches per year for 10 years

2. There will be approximately 150 technicians and scientist present per launch.

3. Their stays will be approx. for 30 days; 2 weeks before and 2 weeks after the launch. These figures amounts to 4500 guest room-days/launch.

4. Since there is supposed to be 4 launches/yr., this translates to a whopping 18,000 guest-room days/year.

5. Multiply this by the special government room rate at either the Waiohai Hotel or the Sheraton-Kauai Hotel at Poipu, which is \$75.00/day; this is equal to 1.35 million dollars per year (\$1,350,000.00). And this only represents room costs. Multiply this figure by 10, and this translates to \$13,500,00.00 spent over a 10 year period.

6. Besides that figure, you have to add the cost of feeding these technicians. Their per diem should be at least \$35.00/day multiplied by their 4 times/ year appearances, this comes up to \$630,000.00/yr., or another \$6,300.00.00 to be spent over a 10 year period!!!

7. Besides the basic human needs, I am sure that these technicians and scientists will imbibe or drink which is not included with these figures.

Also not included but should be considered along with these projections, are car rentals, tours that might be taken such as helicopters, boat tours to the Napali coast, bus tours, tours to the Fern Grotto, gifts and momentos such as pineapples, macadamia nuts, coffee, leis, anthuriums etc.

as you can readily see, this program will bring a very real-shot-in-the-borders and tourist oriented industry. Also keep in mind that all these providers and service providers keep Kauaians employed therefore, we do not want to dislodge this project: FOR THIS REASON ALONE WE WANT YOU TO SUPPORT SDI AND

Also not included but should be considered along with these projections, are car rentals, tours that might be taken such as helicopter boat tours to the Napali coast, bus tours to the Fern Grotto, gifts and momentos such as pineapples, macadamia nuts, coffee, leis, etc.

So as you can readily see, this program will bring a very real shot-in-the-arm for our tourist oriented industry. Also keep in mind that all these vendors and service providers keep Kauaians employed therefore, we do not want to loose this project: FOR THIS REASON ALONE WE WANT YOU TO SUPPORT SDI AND HELP BRING "NEW GOVERNMENT MONTES" TO KAUAI!!!!

-4-

E. THE NEWS MEDIA:

I believe that there was some very biased reporting prior to, and following those public hearings in Iihue. It appeared to me that, both newspapers were deliberately distorting the news as well as trying to fuel the protestor movement with their OPINIONS. As you know OPINIONS, and personal interpretation are not necessarily and fundamentally TRUE OR CORRECT. And by giving the almost limitless support and news space in their papers, the average John Doe citizen of Kauai were inundated with this distorted prevarication. This in turn caused these basically ignorant populace to be swayed to believe the "Printed" word. Hence, a lot of people may be writing to you congressional representatives that they oppose SDI. The with-holding of certain facts, the printing of only half-truths, and the deliberate equivocation of news achieved partial success amongst the local communities.

As you know most people are either lazy and want to be "spoon-fed" their news, or, they are too busy for whatever reason, to research facts on their own, to check out the veracity of the news. Hence, the news media is responsible for being the instrument of divisiveness amongst Kauaians. This misuse or abuse of the press has polarized Kauai into two camps: one for, and one against SDI/STARS. However, since they control the most influential and the most powerful weapon in the arsenal of yellow journalism....It is my sincere hope, that you are not easily awed or influenced by such chicanery...please have one of your staff researchers to objectively, analyze ALL the facts before drawing any conclusions.

I would like to remind you how the yellow journalism of the nineteenth century millionaire newspaperman William Randolph Hearst used his powerful newspaper to convince the United States to go to war with Spain. Subsequent U.S. Naval investigations proved unequivocally that the Spanish were not culpable for the sinking of the U.S. Maine in Cuba. The point being in this analogy is that the deliberate invocation of so-called facts served his own personal self-interests. I believe that this is what happened here on Kauai also.

F. THE PROTESTS:

Concerns expressed by the opponents of SDI/STARS are almost all addressed in the EIS....Please read it before believing the arguments of the protesters, then you can judge for yourself the validity of their argument. I am totally convinced that the U.S. Army has taken every facet of possible impact the missile launching could have upon the environment. The Army is quite aware of any and all possible dangers that can arise from the project, and have all precautionary measures to prevent such a happening. Besides, as a fisherman resident of Kauai, I want you to know that the occasional forbiddence of entry to the PMRF has been very beneficial to local fishermen. The temporary denial of entry during the previous rocket launches and other military maneuvers, has had a beneficial effect upon the fish populations there at Mana. Ask any fisherman who has used that area how is the fishing there at Mana, and guarantee you that will tell its great! And these temporary closures are only a minor inconvenience that reaps a large benefit for the fishermen!!

SUMMATION:

Please remember us vets that gave our youth, limbs and some their lives, in loyal service to our country, and most especially when this issue of the SDI/STARS comes before the congress for approval and funding. Please remember the ultimate purpose of this project with respect to

-5-

national defense. This defense I speak of is not only for the 48 contiguous states in the mainland, but also gives Hawaii and all our families here an added ounce of prevention against nuclear irradiation! I dearly want all of my descendants to enjoy our beautiful Hawaii Nei.

Please examine very carefully who are the supporters of SDI and who are their opponents. The overwhelming majority of supporters are local born, and bred in Hawaii. Look at the opposition, and you will see that these are very obviously mainland recent arrivals. Look at the two groups of people and see who as a group has contributed to the enrichment of life on this Island. Look at these two opposing groups and see which of them is the one that has contributed men and women for military service. Look at these two groups and see which one has those people that have A VERY SPECIAL ALOHA ANA MANA'O, I know you know the answer to this question...these are the sands sea from whence our ancestors sprang from!

For over twenty years our navy has been testing rockets, and having maneuvers at PMRF...where were these protesters then? Why is it now all of a sudden, no good for the environment to do any further testing? Are you aware that the opposing factions' arguments about potential damage is purely hypothetical and conjecture which is just barely garnished with a sprinkling of half truths?

If you were to carefully scrutinize how diligently and earnestly the Army personnel went about doing their research regarding all possible problems that could be anticipated with the project at Mana. The Army sought the best and most authoritative scientists and experts in the particular fields; the EIS names quite a few such authorities. As a native Hawaiian, I was very glad to know that the U.S. Army even hired the services of the best available native and local authorities of Hawaiian antiquities and archaeology, namely Dr. W.K. Kikuchi of the U of H, Kauai Community College, Alethe Kahohi and Kalani Flores. The names of other prominent scientists in the field of marine biology, plant ethnobiology, chemists, aero-space medicine, and many others can be found in the EIS and the records of the U.S. Army officials that are responsible for this project in Huntsville, Alabama. I honestly believe that the Army has done its best to address the concerns, as well as redress and head-off any problem areas associated with this project.

Please keep in mind that it would be a crying shame, an outrage, a grievous offense to all of the local-born people, all of the vets of Kauai who have served loyally in the armed forces, and all of the Kauaians yet to be born, if you were to use the power of your offices to scuttle the SDI/STARS project at PMRF. Please heed our urgent pleas for your support...PLEASE SUPPORT THE SDI & STARS PROGRAM, PLEASE HELP THE U.S.ARMY GIVE US THAT ADDITIONAL OUNCE OF PREVENTION AGAINST ICBM S!!!!

KEALOHA PUMERANA

Kealoha Pumerana

LAWRENCE F. AIWONI, U.S.A.F. Ret.
USVA C# 210 25 421
D.A.V., Chapter 5
4850 Kawaihae Rd., Apt. 3A
Kapaa, Kauai, HI 96746
Tel. (808) 822-3481

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against having the Strategic Target system launched on Kauai for the following reasons: (1) They will have a negative impact on the image of Kauai and the tourist industry upon which our economy is so dependent. (2) The EIS does not adequately assess what if an accident occurs. (3) I am opposed to the idea of fossils being transported to the ground Kauai by ship or land. (4) I don't want hydrazine on Kauai. (5) I don't want Pele's hair cleaned for 2 months every year. (6) The EIS plans for the significant impact on the Niihau Shaka Center, the whalers and the Endless Tropic Terns is not adequate.

Name Mary L. Kilchis

Address 4311 Kukui Rd Kalaheo HI 96741
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I Kauai is not the best place
place for the system to launch
affect our economy (visitors, business,
especially agriculture) and
not an unneeded one on our
island here we
case dont do it

Name E. C. Snider
 Address P. O. Box 1048 Lihue, Kauai 96763
Street Address City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Page 1-4

April 2, 1992

Dear Mr. Heller,

I attended the meeting on the first night concerning the star wars program to be implemented on the Island of Hawaii. I got there at 6:30 PM and stayed to the end which was around 12:30 AM. I would like to say that I did not anti-establishment or anti-military. I was in the service - Marine Corps for four years during the Viet Nam era. Although I didn't approve of why we should have been there, I wasn't going to run off to Canada either. I would have gone to Viet Nam if I had to. Fortunately I didn't have to go because my brother was there.

I am a resident of the state of Hawaii for almost 9 years now, therefore, I have a

WR45 (cont.)

WR45

② Offlate concern for what is happening here and what could happen in the future. I happen to think that the concept of "Star Wars" is good. It's only a matter of time before some developing nation will have nuclear capability and they could, therefore, threaten our existence. Therefore, it makes sense to have something in space to try to stop them and to act as a deterrent.

2-35

I have to state, however, that I must go on record as protesting or opposing a Star Wars Program on this Island of Hawaii.

I think that it is too dangerous here. I object to having this Island a being a target for incoming missiles. If there is to be a Star Wars Program, it should be in an isolated area not in a populated area to jeopardize the lives

③ of our citizens. Maybe to Henry Kissinger, the likes of a few don't count compared to the many. Henry Kissinger never had to live on Kwajalein Atoll in the Marshall Islands and have his home lands taken from him and headed like slope into a small confined area no bigger than Ala Moana Shopping Center in Honolulu. Henry Kissinger didn't have to watch as his home land became a target for missiles like the Marshall Islands did to citizens. I don't want to see people had to witness.

I don't want to see the legacy and like I mentioned, I don't think that it is right for us to become a target also from any other nation or country. Also I object to contributing to the deteriorating / the Ozone layer and to the illegal of transporting dangerous chemicals in our roads here.

④

I don't think that "PMRF" is going to close down just because they don't get the Star Wars program. I feel that PMRF is too vital to the defense of our country and too much money and effort has been invested there for the establishment of highly technical equipment to self guard our country from attack.

⑤ Thanks for reading the letter.

Hopefully,
John A. Pecotta Jr

John A. Pecotta Jr
P.O. Box 1705
Lihue, Hawaii, 96766

WR46

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sirs:

I want the No Action option for STARS.

After hearing the facts from the hearing, I feel it would have a negative impact on our economy or Korea. We'd get known as the "Missle Island" not a good vacation image. I also feel its shaped to in the post-Cold War era to spend money on offensive weapons.

These weapons are also dangerous to humans, whale, and fern life. Thank you.

Name Deborah L. Arata - Deborah Arata
 Address 3472 Kauai Lane Koloa HI 96756

Street Address

City/State/Zip Code

City/State/Zip Code

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR47

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I say Sirs:

STARS program and its members
on Kauai Isleyfield
in this post Cold War world we no
longer need to spend money for offensive
offensive weapons under the guise of defense.
Also, there would be some long range
as well as short range weapons,
but they're already invented
by human citizens.

Thank You

Name David Kucha
 Address 4411 Ki Pala Koloa

City/State/Zip Code

Street Address

City/State/Zip Code

City/State/Zip Code

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Strategic Target System Draft Environmental Impact

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1	The DEIS should have been drafted by objective groups that Navy, Army, NASA and military want. More research and information on the impacts of a possible accident on the island's marine biodiversity Joceline and one the first little there shall be islands. I want most detailed information on the impact of possible acid rain during transportation of scenario fuel; and initiating plant more detailed information on the impact of biomimetic plants especially on the ocean floor. I want the plant to be simple, like an old fashioned primitive and energy wise, impacts for the detail.
2	
3	
4	
Name	John Smith 2011
Address	PO Box 238 Cranbury NJ 08806
Comments	None
City State Zip Code	Cranbury NJ 08806

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Please send this form in as soon as possible.

Richter: Humanizing the Social Work Curriculum 333

Deputy Commander

U.S. Army Strategic Defense Command

Attunement, Credibility, and Callian

Alleluia: C3LB4-EN-V (D.R. Sauer)

EUC. Box 1330

Huntsville, Alabama 35807-3801

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Written Commitment Sheet

Strategic Target System

Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I AM OPPOSED TO THE STAR WARS BASES
ON THE ISLANDS OF KAUAI. OUR ISLAND
IS ONE OF THE MOST BEAUTIFUL SPOTS
ON EARTH, AND EVEN THE CHANCE OF
AN ACCIDENT IS A THREAT TO OUR
ECONOMY. A MISSILE BEING LAUNCHED
AND BEING EXPLODED DUE TO AN
ACCIDENT, MISTAKE, OR FAILURE WOULD
DESTROY OUR ECONOMY. OUR ECONOMY
IS BASED ON TOURISM, AND IF OUR
ISLAND WAS ALTERED DUE TO A MISSILE
ACCIDENT OR JUST NEWS STORIES
OF WHAT COULD HAPPEN! ECONOMY &
Name John R. Churchill

Address 539 KAPPA ST. City/State/Zip Code KAPPA H, 16146-3335
Street Address

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Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSS-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

MISTAKE BY THE MILITARY, THE BOTTOM LINE WOULD FALL OUT OF OUR TOURIST INDUSTRY.
 I AM ALSO AGAINST YOUR STRATEGIC TAX SYSTEM PROGRAM DUE TO YOUR TARGET - THE
 MARSHALL ATOLL IN THE MARSHALL ISLANDS.
 THE INDIGENOUS MARSHALLESE PEOPLE SHOULD BE GIVEN THEIR ISLANDS BACK AND PAID FOR OUR ILLEGAL TAKING OF THEIR ISLANDS - SINCE 1946.

IT IS TIME FOR US TO RETIRE MOST OF OUR MILITARY FORCE AND WORK TO FORM A WORLD GOVERNMENT. WE NEED TO FORM WORLD COURTS; WORLD POLICE FORCE, WORLD COUNCIL AND THE MILITARY STOP CREATING FEAR AND PERPETUATING THEIR JOBS. - REFER TO THE BOOK, "PLANET HOOD" BY BENZIMIN B. TERENZI AND KEN KELES JR. THIS IS THE TIME OF CHANGE IN OUR WORLD AND IS TIME FOR US TO CHANGE OUR POSITION IN THE WORLD POLITICS AND TO LEAD OUT OF THE GLOBAL WARPS.

Respectfully Submitted



Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I strongly oppose the Starving program.
 and the presence of DM P on Hawaii
 I'd like to bring up the
 the mainland is my home, also the
 Star Wars base in the Marshall Islands.
 Know the documentary film Home on the Range.
 It is apparent how the Bush family are
 living the adipis of said above. Since 1950
 Mr. Bush had speak of violation of civil rights
 and our government has been doing it for
 years. I became involved the first day of
 Barings Bank. I will give my input to
 stop this here project. Very one

Name _____

Address _____

City/State/Zip Code _____

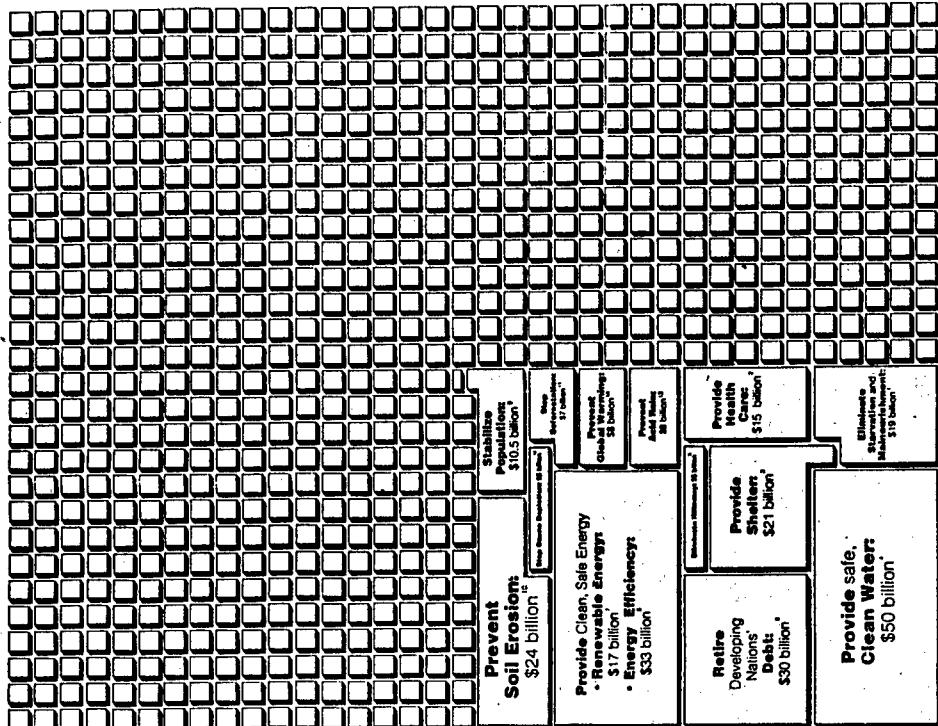
Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command
 Attention: CSD-EN-V (D.R. Galien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3601

What the World Wants

— and how to pay for it —



Post-War Military Evacuation

The above are analagous of various global programs for solving the major human needs and environmental problems facing humanity. Each program is the amount needed to accomplish the goal's for all in need in the world. Their combined total cost is approximately 25% of the world's annual military expenditures. Footnotes and references are on the opposite page. Full explanations are in "Doing the Right Thing," 155 pp., \$20.00, PA 1970, 715-387-4250.

Please refrain from sending me
any more propaganda.
I worked a residence California I know,
says enough about Radicals. To be honest
on their lives. also money wasted of
Space application.

I collected signatures protesting against
the war, including tourists, who have
plenty of it on the mainland, by printed
copying. The only ones for it are
gray hairs employees at P.M.A.T.
Dear mother offering my signatures. I want
no more garbage paper sent to me.
The public hearing held at Kauai War Memorial
Convention Hall, never turned out.
There will be more protests, and a possibility
of confrontation. I hope Star Wars is
cancelled before that does happen.
I am sending cards and literature to
Mainland. I send copies over
Mainland, Australia

This chart seeks to make the point that when the world needs to solve the many urgent problems confronting humanity is both inevitable and affordable. Clearly, to portray a problem as complex and large as, for example, the global food situation, with just a small part of a single graph is incomplete, at best.

The following explanations of the chart's various components are not intended as complete or detailed. Rather, they are very broad brush-strokes intended to give the overall direction, scope and strategy. The paper "Doing the Right Things" goes into more detail and is available from the World Game Institute at the address below.

[References listed at end of numbered sections contain supporting documentation. Further explanation and detailed information.]

1. Eliminate starvation and malnutrition: \$19 billion per year. Total \$2 billion per year for 10 years for global relief; \$1 billion per year for twenty years spent on farmer education through in-country extension services that teach demonstration sustainable agriculture, use of local fertilizer sources, pest and soil management techniques, post-harvest preservation, and which provide clear market incentives for increased local production; \$7 billion per year for indigenous fertilizer development. Educational resources of 10 coupled with this strategy. Closely linked with #s 2, 2A, 2B, 4, 5, 9, 10.

2. Provide health care: \$15 billion per year spent on providing primary health care through community health workers in all areas in the world that do not have access to a health care system. Both direct and indirect costs would be \$2 billion per year. Closely linked with #s 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14. Closely linked with #s 1, 2, 2A, 2B, 4, 5, 9, 10.

3. Immunizing children against measles, tuberculosis, diphtheria, whooping cough, polio and tetanus, thereby preventing the death of 6.7 million children/year: \$40 million per year for providing oral rehydration therapy for children with severe diarrhoea; and (c) immunizing 1 billion children in developing countries. Closely linked with #s 1, 2, 2A, 2B, 4, 5, 9, 10.

4. Provide clean and abundant water: \$50 billion per year for ten years spent on water conservation projects and water supply, water purifying systems. Closely related to #s 1, 2, 2A, 2B, 4, 5, 9, 10.

5. Eliminate illiteracy: \$4.5 billion per year for ten years: \$2 billion spent on a system of 10 to 12 communication satellites and their launching; \$2 billion spent on ten million television sets, satellite dish receivers, and portable battery units for power—all placed in village schools and other rural areas throughout high illiteracy areas; the rest 90% of funds, spent on reducing carbon dioxide, methane and CFC release into atmosphere through combination of international accords, carbon taxes, increases in energy efficiency in industry, transportation, and household, decreases in fossil fuel use, increases in renewable energy use and reforestation. Closely linked with #s 6, 11, 12, 13.

6. Increase efficiency: \$33 billion per year for ten years spent on increasing car fleet mileage to over 50 m.p.g.

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

1
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

2
I AM VERY MUCH AGAINST HAVING THE STRATEGIC TARGET SYSTEM PROJECT ON KAUAI.
KAUAI'S BEAUTY ATTRACTS THOUSANDS OF VISITORS FROM ALL OVER THE WORLD EVERY YEAR. HAVING A MISSILE LAUNCHING SITE ON THIS ISLAND WILL DRAMATICALLY CHANGE KAUAI'S IMAGE AND WILL NEGATIVELY AFFECT OUR ECONOMY HERE. WE ALL DEPEND ON THE VISITORS INDUSTRY AND TURNING KAUAI INTO A MISSILE SITE WILL TURN VISITORS AWAY. PLEASE PROTECT AND PRESERVE OUR ISLAND'S NATURAL BEAUTY, ALOHA SPIRIT, AND ECONOMY NO STARS ON KAUAI!

3
Name ANNE ENGLISH
Address P.O. Box 1280 KALAHOO HI 96741
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1 OPPOSE THE PROPOSED STRATEGIC TARGET SYSTEM
MISCELLANEOUS DUE TO THE FAIT THAT THE
ACTUAL AND POTENTIAL ECONOMIC AND ENVIRON-
MENTAL DAMAGE WHICH THESE HAVENTES WILL
CAUSE FEAR OUTWEIGH ANY ~~BENEFITS IDENTIFIED~~
AND CERTAIN BENEFITS THAT THE PROPOSED

SYSTEM CAN PROVIDE. I STRONGLY RECOMMEND
THAT YOU ADOPT THE "NO-ACTION" ALTERNATIVE.

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Against testing missile systems on Kauai.
This is the "quarrel signed". We have a sensitive
ecology's environment. An accident could
wreak havoc on both the immediate green and
else land areas.

You havent examined the immediate effects of
halon release on immediate ozone depletion above
Visitor industry (our main industry) could be
demolished by either A) an accident B) a report on
as a major military test facility.
With sick access to brackly will be restricted
and would result from levels of diversity
unacceptable.

Name Dr. Edward de Deco D.C.
 Address 3707 Onzo Rd Kolae HI 96756
City/State/Zip Code
Street Address

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSD-EN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Tsujime Takemoto
6416 Ahele Drive
Kapaa HI 96746

April 2, 1992

Deputy Commander: U. S. A. SDC
CSSD-EN--V (D. R. Gallien)
P. O. Box 1500
Huntsville, AL. 35087-3801

Dear Sirs:

The STARS debate will probably continue on Kauai as the fanatics are still here. I regret not being able to go to the two hearings you held, but we don't drive at night unless it is absolutely necessary. Old age does have a tendency to creep up on us.

Despite the circus atmosphere and all, I say we still need the missiles. We are still in danger from attack, what with pulling out of the Phillipines. At least if we have the missile, however small, we will not be so readily attacked.

Where the money comes from I shall never know. Rumor has it that the ones who speak against it, are shipped in from the Mainland. Not all, but most.

So I hope that the decision will be made to stay as we are and the sooner the better so we can get tourism back to support us like it did before.

I appreciate your sending the literature so I could look at two sides of the coin. My interest is from being President of the American Legion Auxiliary, Kauai Unit 2. The greatest majority of veterans are for it. I am also secretary to the Kauai Veterans Council which is on record as for it.

Thank you.

Sincerely,

Tsujime Takemoto
6416 Ahele Drive
Kapaa HI.. 96746
823 6160

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

1
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against the Star Wars Project on Kauai. Kauai represents the last garden of Eden to all who visit, and especially those who live here. It is known as the healing island. Bringing Star Wars to Kauai would not only harm the environment but risk at risk the lives and livelihood of its people if there were to be an accident in transporting the chemicals required to launch this project through the island. The chances of an accident happening are very probable and likely. Perils from the environmental issues and the depletion of the ozone layer, & transporting toxic chemicals, I find it disrespectful to the Hawaiians (in one of the most sacred areas on the island). Name Debrah [illegible]

Address P.O. Box 3 Kauai, HI 96751

City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR56

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I support the No Action Option for STARS on Kauai. The world situation has changed greatly since the inception of STARS and it is not ~~any~~ necessary anymore who will attack us? The major threat now is terrorism and STARS does not address that. Also given our present economy it is foolish to spend billions of dollars on a project that is not necessary and very probably will not be effective. Additionally, the potential for ecological harm to Kauai, which translates to economic harm is too great to be acceptable.

Name Richard ShermanAddress 3707 Omao Rd, Koloa HI 96756
Street Address
City/State/Zip CodePlease hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR57

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I choose the No Action option for STARS on Kauai. I back the mayor who is opposed to the STARS project. I'm outraged that the public's health & safety would be at risk if transportation of hazardous materials were allowed to happen. The EIS Study & PARF officials have not been conducted or consulted Kauai's public safety staff.

In this post cold war period, we no longer need to spend money for offensive weapons under the guise of defense!

Name Marta Van Auker
Address 10 May 1200 Keha Kai HI 96756
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

City/State/Zip CodeCity/State/Zip CodeStreet AddressCity/State/Zip Code

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I had an accident severe, the had
publicity world effect such economy
as need as have the island it self
(we must spend money for its defense
as defense. Please check the No Action
option for Star and Hawaii)

Name Kay Doty Address 4811 KALALA Street Address
City/State/Zip Code KALAHOO Hi

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

1

KATE HARRINGTON SHEA
AND ASSOCIATES

April 5, 1992
Sudith B Parsons
P.O. Box 2
Makaweli, Kauai, HI 96748

U.S. ARMY Strategic Defense Command
ATTN: CFFD - EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Ala. 35807-3801

Dear Madam Sir;

This is to inform you of my opposition to the
STARS program on the Island of Kauai, state of Hawaii.
My reason you have heard from many others.
Please let us all quit using fear, a negative
energy and promote the positive in our world for
the sake of all living things.

My love and prayers are with you all in
this decision.

Sincerely,
Sudith Parsons

April 1, 1992

U.S. Army Strategic

Defense Command

P.O. Box 1500

Huntsville, ALABAMA 35807-3801

Attn: CSSD-EN-V

(C D.R. Gallien)

To whom It May Concern,

I am writing to state that I am against "Star Wars" activity on
Kauai, Hawaii.

Thank you.

Sincerely,

Kate H. Shea
Kate Harrington Shea
P.O. Box 224
Princeville, HI 96722

WR2

WR2 (cont.)

March 26, 1992

P.O. Box 1172
Hanalei
Hawaii 96714

April 3, 1992

emptiness engulfed me as i woke to face this day
like i had known it would.
what i couldn't have guessed was its vastness
or its coldness. it is grey.
i couldn't think, couldn't feel, couldn't find my way.
all was gone except for emptiness.

eons passed.
morning waited.
birds somehow remembered to sing.
finally the raining came, so softly.

Aloha, Gentlemen:

Enclosed please find some comments I submit regarding your STARS/EDX missile program proposed for Kauai. These responses are mine individually, and not those of Sierra Club.

Under separate cover, and (probably moments) prior to your April 13, 1992 response deadline, Sierra Club's official comments will be delivered.

Working with you in the past has been a pleasure; I hope the same will hold true for the future.

Kind regards,

Suzanne Marinelli
Suzanne Marinelli

i see a wall.
it separates me from the future
maybe only for today, but i'm glad to see it anyway.
beyond lies resolution of this conflict we've engaged.
i do not want that resolution yet today.
i cannot see a way for us to get there without pain.

(1)

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*Star progress is not healthy for humans!
remember our industry: Tourism. We are
willing to sacrifice our economy (70% based
on Tourism) to do their tests? I am not!*

*One can barely feel on its along
to do their own EIS and be combined.
The results are not to be ~~the~~ consider
value.*

if i prevail and stop your launches,
what happens to your family life?
what we fear for your careers, your certainty or mine that
will our actions bring more harm than what's already done?
i pray to god it won't be so.
please know, please know, i do not want to hurt you
any one.

or might you send your rockets with me imprisoned in a cell,
the freedom that i love most dearly lost inside your victory?
i pray again that this won't be.

each answer is as possible as all the other ones,
but every one i see today
involves more pain along the way.

i close my eyes and try to let the visions go.
the wall and my pen must protect me; there's no need now
to know.

tears pass but mourning will remain.

my tears relent and begin to flow
with the answering downpouring rain.

1

Written Comment Sheet

Name Connie Cleene
Address 101-500 12th, Cahaba, Al 35001
Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
 (2)
 Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-EN-V (D.R. Callien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My name is Debrah Forester, I am a concerned resident of Kauai. I came here because of its rare beauty and to do my life's work. I have been teaching children for 14 yrs. and have a master's degree in Education, and am a mother. I chose this field of work because I love and care about people. I see the difficulties which our present way of life presents to our children and I am concerned that they be given an equal chance to live their lives on this planet, just as we and our ancestors have.

When I received the EIS in the mail I was disappointed to find the lack of social & humanitarian implications. It seems to always be the case, that when Government says the military weighs things out - it's always human lives. But the military weighs things out - it's always human lives. But

Name Debrah Forester

Address P.O. Box 867 Kilauea HI 96754

Street Address _____

City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command

Attention: CSD-ENV (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

1
 Jose rit. I'd like to ask, "Why The Marshallese ever considered when The U.S. Military decided to put a missile range on their precious atoll of Kauai-jallein or was The strategic location of their islands more important?" Did The U.S. government ever consider The Kanaka Maoli when they overthrew their government or was it business interests which prevailed?

I would like to ask you now to look inside your souls, turn your gaze inward. Try to set your own personal motives aside. If you believe in God, listen to him now. Pray in the silence of your own souls, ask yourself, "Is the decision to allow the U.S. government's military to fire off these dangerous war machines from our island home-land really necessary? Who are our enemies? Is Russia a threat? Is Red China a threat?" Do Star Wars really an effective way to protect ourselves

Did the U.S. Government ever consider the Native Americans or the

mainland, when they took over their lands and confined them to the barren reservations? Then as if that wasn't bad enough, when they discovered uranium under their soil on the "4 corners" reservation, more specifically... Big Mountain, it's called; (the Hopi & Navajo reservation) They took legal action (mostly illegal) to get most of the mineral rights back from them. The injustices that the investigations uncovered against our own Native Americans were deplorable.

My friends, it saddens me greatly everytime I study and research the injustices committed against human kind. Who is the culprit? Who wins out? Over and over again, throughout all of history, the culprit is the same; Greed, Power, and The Need-to-Center. I think its' important here that we, as conscious human beings, open our eyes and honestly come to terms with the grave danger that STARS

poses. We are making history here today, by being allowed to speak here at this hearing. Its time to stop pretending that accidents can't or won't happen to us. If we were all adolescents here making this decision, & could understand this predominant feeling or attitude of omnipotence, But we are mature adults here. Accidents do happen. Remember the Challenger? I am from Pennsylvania. I lived there when 3 mile Island melted down. You know what? It's still melting down. They aren't able to stop it! Its' all bush, bush, of course. People don't bother to protest it - They're not going to do it. They're trying to keep it cool enough until it eventually explodes itself. As mature adults we all suppose to be taking responsibility for the results or implications of our decisions. (or are we merely like children playing with razor blades?)

If we stand by and witness the implementation of this out-dated, unnecessary, and money-making scheme, otherwise known as "STARS", here on this island than we are just as guilty as those who have concocted this scheme. Think about this when a pocket misfire and children and adults are killed... Think about this when a tanker truck full of hydrogen (the fuel they plan to use) spills on our only road to the West-side - and the land is ruined, and people must be evacuated. No tourists will be allowed through to see our Waimea Canyon or Aloha State Park, etc., the Sugar Cane & Macadamia Nut would doubtfully survive the poison, let alone the residents. Please, I ask you do not allow yourselves to be duped into believing that we need this for our National Security.

Please, do not be duped into

believing that we need it for economic reasons. Have faith - better jobs can be created for those of you who face possible lay-off. And... above all, do not be duped into believing that you can't do anything to stop this. You can, we can, and we must have faith that we can right a wrong. This is our opportunity, lets use it. This island is not only one of our most precious national treasures, but it is one of the most lush and dramatic landscapes in the entire world. People spend years saving up enough money to vacation here for God's sake.

Nature, to me, is the art of God. This land is truly an expression of God's love. I know I am not alone when I say, "This land nourishes my soul. Its' Spirit fills me with the warmth of Aloha." IT DESERVES OUR PROTECTION. Just as WE DESERVE OUR NATION'S PROTECTION. Please, I ask you reconsider. Do not further damage these lands. Haven't we done enough damage already? IT'S time to be helpful, not harmful.

Sincerely, Deborah Forrest.

MR. CHAIRMAN

NATIVE KANAKA MAOLI PEOPLE OF NA MAOKU PUNI CALLED HAWAII

MY PRAYER

I PRAY THAT THE SPIRIT OF THE LORD MAY BE WITH ME THAT WHATEVER I
 PRESENT MAY BE PLEASING TO HIM AND BENEFICIAL TO ALL THE PEOPLE OF THE
 WORLD, AMEN

MARCH 24, 1992

TO THE PRESIDENT OF THE UNITED STATES OF AMERICA PRESIDENT GEORGE BUSH
 TO THE UNITED STATES SECRETARY OF THE INTERIOR SECRETARY MANUEL LUJAN,
 JR.

AND TO THE UNITED STATES ARMY STRATEGIC DEFENSE COMMAND

WHERE AS BECAUSE OF GOVERNMENT ACTIVITIES WHICH ARE BEING PLANNED AT
 BONHAM AIR BASE, CONCERNING THE STRATEGIC TARGET SYSTEM AND ITS
 ENVIRONMENTAL IMPACT ON THE ISLAND OF NA MOKUPUNI CALLED KAUAI IN THE
 DISTRICT OF PAPAEWAENA OF THE AHUPUA'A OF KIRIAOLA

AND BECAUSE OF THE PROBLEMS OUR NATIVE KANAKA MAOLI PEOPLE ARE HAVING
 TODAY WITH THE STATE OF HAWAII AND THE UNITED STATES OF AMERICA, WITH
 A POSSIBILITY OF LOSING ALL OUR NATIVE KANAKA MAOLI ASSETS NAMELY
 LANDS AND WATER RESOURCES AND SO FORTH.

AND WHERE AS THE REMARKS OF PRESIDENT GEORGE BUSH OF THE UNITED STATES
 OF AMERICA, CONCERNING THE NATIVE PEOPLE OF THESE ISLANDS CALLED
 HAWAII, IN REGARDS TO THE TRUST RESPONSIBILITY OF THE NATIVE KANAKA
 MAOLI PEOPLE OF WHICH HE SAYS THE UNITED STATES HAS NO OBLIGATION--

WHEREFORE, TITLE 48, UNITED STATES CODE S661 WHICH DEALS WITH THE
 MANAGEMENT AND DISPOSITIONS OF PUBLIC LANDS WHICH STATES IN PERTINENT
 PARTS:

"THE LAWS OF THE UNITED STATES EXISTING ON JULY 7, 1898, RELATIVE TO
 PUBLIC LANDS SHALL NOT APPLY TO SUCH LANDS IN THE HAWAIIAN ISLANDS,
 BUT CONGRESS SHALL ENACT SPECIAL LAWS FOR THEIR MANAGEMENT AND
 DISPOSITION, PROVIDED, THAT ALL REVENUE FROM OR PROCEEDS OF THE SAME
 SHALL BE USED SOLELY FOR THE BENEFIT OF THE INHABITANTS OF THE
 HAWAIIAN ISLANDS.

THEREFORE, LOOKING INTO THE DEFINITION OF THE TERM INHABITANTS AND
 KEEPING IN MIND THAT THE YEAR WAS 1898 THE INHABITANTS WERE REFERRING
 TO THE NATIVE KANAKA MAOLI PEOPLE OF THE LANDS.

THE UNITED STATES HELD THE PUBLIC LANDS WHICH HAS BEEN DEFINED IN THE
 ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM
 AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR
 THE BENEFIT OF THE HAWAIIAN PEOPLE.

"THAT A TRUST IS A RIGHT OF PROPERTY REAL OR PERSONAL HELD BY ONE
 PARTY FOR THE BENEFIT OF ANOTHER" 3 BOUVIER'S 3328

WR65 (cont.)

THE UNITED STATES CLAIMED NO OWNERSHIP TO SAID PUBLIC LANDS, BUT RATHER HOLDERS IN TRUST AS PURSUANT TO TITLE 48, UNITED STATES CODE. THEREBY MAKING THE UNITED STATES THE TRUSTEE'S WITH A FIDUCIARY DUTY TO UPHOLD THE RIGHTS OF THE BENEFICIARIES, WE THE NATIVE KANAKA MAOLI PEOPLE.

FURTHER MORE PURSUANT TO BOUVIER'S LAW DICTIONARY 1914 EDITION PAGE 1426, HAWAII IS DEFINED AS FOLLOWS, IN PERTINENT PARTS.

"A REPUBLIC WAS PROCLAIMED AND A NEW CONSTITUTION PROMULGATED JULY 4, 1894 BY THIS CONSTITUTION THE PRESIDENT OF THE REPUBLIC WAS EMPOWERED TO "MAKE A TREATY OF POLITICAL OR COMMERCIAL UNION WITH THE UNITED STATES."

KA WANA NA KOA VS. POLY BLANK 205 U.S. 354, 27 SUP. C.T. 526 51 L. ED. 834.

PLEASE TAKE NOTICE, THAT HAWAII WAS ANNEXED ONLY THROUGH POLITICAL OR COMMERCIAL UNION AN NOT AN OVERTHROW OF THE LAND OWNERSHIP OR ITS PEOPLE, UPON ADMISSION OF HAWAII INTO THE UNION THE UNITED STATES DID NOT PASS OWNERSHIP OF THE PUBLIC LANDS IT CONVEYED TO THE STATE OF HAWAII BUT RATHER PASSED ON THE TRUST RESPONSIBILITY OF THE STATE OF HAWAII, AS PURSUANT TO THE HAWAII ADMISSION'S ACT 1959 IN PERTINENT PART.

THE LANDS GRANTED TO THE STATE OF HAWAII BY THE UNITED STATES TOGETHER WITH THE PROCEEDS FROM THE SALE OF OTHER DISPOSITIONS OF ANY SUCH LANDS AND INCOME THERE FROM SHALL BE HELD BY SAID STATE AS A PUBLIC TRUST FOR THE BETTERMENT OF THE CONDITIONS OF NATIVE HAWAIIANS AND THERE USE FOR ANY OTHER OBJECT SHALL CONSTITUTE A BREACH OF TRUST FOR

WR65 (cont.)

WHICH SUIT MAY BE BROUGHT BY THE UNITED STATES.

THE BIG QUESTION
IS THE BONHAM AIR BASE A PART OF THE PUBLIC LANDS HELD BY THE UNITED STATES AND DEFINED IN THE ORGANIC ACT OF 1900 AS THESE LANDS WHICH WERE CLASSIFIED AS KINGDOM AND/OR CROWN LANDS PREVIOUS TO AUGUST 15, 1895 OF HAWAII IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE.

THESE LANDS

GOV. EX ORDER	PART - 1	903.00	AC
945	PART - 2	473.52	AC
945	887	548.57	AC
	TRACT E-1	69.562	AC

PRES. PROC. NO 827 16.2484 AC
A TOTAL OF OVER 2,000 AC AND YES PAYMENT PER YEAR IS \$1.00 FOR ALL "OR" ARE THESE LANDS AT BONHAM AIR BASE THE PRIVATE OR SOVEREIGN LANDS DEEDED TO A NATIVE KANAKA MAOLI CHIEF NAME AU PUNI IN THE GREAT MAHELE OF 1848, THE FIRST DIVISION OF JANUARY 27, 1848 IN THE SECOND PALAPALA OR DEED.

TO ANSWER THESE QUESTIONS AN OVERVIEW OF THE GREAT MAHELE OF JANUARY 27, 1848, ENDORSE BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS VICTORIA KAMAMALU BY HER GUARDIAN MATAIO KEKUANAOA AND IOANE II, TAKEN FROM THE BIG BOOK THE GREAT MAHELE OF 1848 BY JON J. CHINEN.

AN OVERVIEW

OF
THE GREAT MAHELE OF 1848
PALAPALA AINA--LAND DEED

KING KAMEHAMEHA III, WAS DEEPLY CONCERNED OVER THE HOSTILE ACTIVITIES
OF THE FOREIGNERS IN THE ISLANDS AND DID NOT WANT THIS KINGDOM TO BE
CONSIDERED "PUBLIC DOMAIN," AND THEREBY SUBJECT TO CONFISCATION BY A
"FOREIGN POWER" IN THE EVENT OF A CONQUEST.

THEREFORE KING KAMEHAMEHA III, SET FORTH THE GREAT DIVISION OF LANDS
INTO TWO (2) DISTINCT PARTS, IN THE BEST INTEREST OF THE NATIVE KANAKA
HAOLI PEOPLE, WHOERE THE SOVEREIGN OF THE ISLANDS OF NA MOKU PUNI
CALLED HAWAII.

BECAUSE OF THE LACK OF SURVEYORS IN THE ISLANDS DURING THIS ERA THE
MAHELE OR LAND DIVISION WERE ACCORDING TO THEIR ANCIENT NAMES AND LAND
MARK BOUNDARIES AND WERE EITHER A MOKU (AN ISLAND) OR AHUPUUA, OR ILLI
AINA.

THE FIRST PALAPALA OR DEED TAKEN FROM THE MAHELE BOOK OF 1848
THE FIRST PALAPALA OR DEED
(BELONGING TO KAMEHAMEHA III)

(TRANSLATION - KANAKA MAOLI TO ENGLISH)

(E IKS AUANEI NA KANAKA A PAU)
I RECOGNIZE PRESENTLY THIS KANAKA RACE OF PEOPLE ENTIRELY
(MA KEIA PALAPALA)

IN BEHALF OF THIS DOCUMENT

(OWAU O KAMEHAMEHA III NO KA LOKO MAIKAI O KE AKUA KE ALII O KO HAWAII
NEI PAE AINA)

I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT
OUR LEADER OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS.
(UA HAWI AU I KETA LA NO KO'U MAKEMAKE MAOLI NO A I A HOOLIO A ME KA
HOOKAWALE MAU LOA AKU)
TO PRESERVE TO GIVE IN THIS ERA AS AFOREMENTIONED BY MY FREE WILL
INDEED, FOR MY OWN YES MY OWN TO PASS INTO POSSESSION AS MY OWN AND TO
BE DIVIDED FOREVER THIS AMOUNT

(I NA ALII A ME NA KANAKA KANUI O KO'U AINA ALII E PONO)
FOR THIS CHIEF TO GET AS HIS OWN AND BELONGING TO THIS NATIVE KANAKA
MAOLI RULER OF THIS LANDS CHIEF OF GOODNESS.
(AI A E PO MAIKAI AI KE AU PUNI HAWAII)
TO CONTROL TO GET FOR MY PROSPERITY FOR MY KINGDOM OF HAWAII
(NO IAILA MA KEIA PALAPALA KE HOOKOE NEI AU)
THEREFORE IN BEHALF OF THIS DOCUMENT OURS TO SAVE IN THIS ERA.
(NO'U IHO A NO KO'U POE HOOLINA A ME POE HOPE A MAULOA AKU NEI AINA)
FOR MY DESCENT AS YOUR OWN BELONGING TO YOU PEOPLE "HEIRS" AS YOUR OWN
MY PEOPLE SUCCESSORS AS YOUR OWN FOREVER THIS DEFINITE AMOUNT IN THIS
ISLANDS.

(OU I KA KA UIA HA NA AOAO)
MINE AS THIS WRITTEN WILL SUBMITTED IN BEHALF OF THIS OPTION OF THE
TWO PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES 178, 182, 184, 186,
190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220, AND 222.
(O KETA PUKE)
AGREEMENT WRITTEN IN THIS BOOK.

KO KAMEHAMEHA III

(176)			HAWAII'I
3 ONGULI	KONA	KONA	HAWAII'I
4 HONONALINO	KONA	KONA	HAWAII'I
1 PUWAAWAHA	KONA	KONA	HAWAII'I
2 HALEOHOIU	KONA	KONA	HAWAII'I
(182)			HAWAII'I
5 PUUAMAENA	AIUPUAAA	KONA	HAWAII'I
6 WATOHINU	AIUPUAAA	KAU	HAWAII'I
8 KAPAPALA	AIUPUAAA	KAU	HAWAII'I
(184)			HAWAII'I
10 KAIMU		PUNA	HAWAII'I
7 APUA		PUNA	HAWAII'I
11 WAIAKOLEA	ILI NO KALAPANA	PUNA	HAWAII'I
(186)			HAWAII'I
12 WAIAKEA	AIUPUAAA	HILO	HAWAII'I
12 ORLLA	AIUPUAAA	PUNA	HAWAII'I
14 PONAHAMAI	AIUPUAAA	HILO	HAWAII'I
15 PIHHONUA	AIUPUAAA	HILO	HAWAII'I
16 HUMUULA	AIUPUAAA	HILO	HAWAII'I
(190)			HAWAII'I
20 KAOKIA	ILI NO WAPIO	HAMAKUA	HAWAII'I
21 POHAKUMAULUOLU	ILI NO WAPIO	HAMAKUA	HAWAII'I
22 MULIWAI	ILI NO WAPIO	HAMAKUA	HAWAII'I
19 LALAKEA	ILI NO WAPIO	HAMAKUA	HAWAII'I
24 WAIPIO	AIUPUAAA	HAMAKUA	HAWAII'I
23 WAIMANU	AIUPUAAA	HAMAKUA	HAWAII'I
18 HONOKATA	AIUPUAAA	HAMAKUA	HAWAII'I
17 KALOPA	AIUPUAAA	HAMAKUA	HAWAII'I
(194)			HAWAII'I
29 KAUAHUUH	AIUPUAAA	KOHALA	HAWAII'I
27 NAMAKAO	AIUPUAAA	KOHALA	HAWAII'I
28 TOLE	AIUPUAAA	KOHALA	HAWAII'I
25 POLOLU	AIUPUAAA	KOHALA	HAWAII'I
26 KAPUNA	AIUPUAAA	KOHALA	HAWAII'I
31 WAIMEA	AIUPUAAA	KOHALA	HAWAII'I
32 PUUKAPU I WAIMEA	AIUPUAAA	KOHALA	HAWAII'I
30 KAWAIIHE	KOMOIANA	KOHALA	HAWAII'I

О КАМЕНЬЕВАМ

KO KAMEHAMEHA III

(216) 5/58 WAIANAE AHUPUA'A WAIANAE OAHU
me na Ailo AHUPUA'A KOOLAUOLA OAHU
56/57 PUPUKEA AHUPUA'A KOOLAUOLA OAHU
55 KANEKA AHUPUA'A KOOLAUOLA OAHU
54 PAUMALU AHUPUA'A KOOLAUOLA OAHU
53 KAUKU AHUPUA'A KOOLAUOLA OAHU
52 HUUALA AHUPUA'A KOOLAUOLA OAHU

(218) 50 KUALOA 1 AHUPUA'A KOOLOAUPOKO OAHU
51 KUNLOA 2 AHUPUA'A KOOLOAUPOKO OAHU
48 MAKAWAI ILI' NO WAIOLOLE KOOLOAUPOKO OAHU
49 HOPEKEA ILI' NO WAIOLOLE KOOLOAUPOKO OAHU
47 MALUAKA ILI' NO WAIHERE KOOLOAUPOKO OAHU
46 KAHLUU AHUPUA'A KOOLOAUPOKO OAHU

(220) 42 WAIKALUA ILLI' NO KANEOME KOOLOAUPOKO OAHU
43 KEAAHALA ILLI' NO KANEOME KOOLOAUPOKO OAHU
44 KALUAPUHI ILLI' NO KANEOME KOOLOAUPOKO OAHU
45 KANOHOHULUIWI ILLI' NO KANEOME KOOLOAUPOKO OAHU
40 HAILEKOU KUOU ILLI' NO KANEOME KOOLOAUPOKO OAHU
44 KAUALEKAUWILA ILLI' NO KANEOME KOOLOAUPOKO OAHU
38 KAWAILLOA ILLI' NO KAILUN KOOLOAUPOKO OAHU
47 WAIMANALO AHUPUA'A KOOLOAUPOKO OAHU

(222) 3 WAIMEA AHUPUA'A KONA KONA
2 HANAPEDOE AHUPUA'A KONA KONA
1 KALAHEO WAILOA AHUPUA'A PUNA KONA
9 KAPAA AHUPUA'A AHUPUA'A PUNA KONA
6 ANAIOHAA AHUPUA'A AHUPUA'A KOOLOAU KONA
1 HANALEI AHUPUA'A AHUPUA'A HALELEA KONA

KO KAMEHAMEHA III (OVERVIEW)

WHERE AS, FROM THIS PALAPALA OR DOCUMENT OR "DEED" THE FIRST INSTRUMENT OF THE GREAT MAHELE OF JANUARY 27, 1848 BY KING KAMEHAMEHA III BY HIS OWN FREE WILL HUMBLY AGREES TO THIS DIVISION OF LANDS AND THIS DIVISION WAS TO BE FOREVER, ONLY THIS AMOUNT, FOR HIM TO CONTROL FOR HIMSELF, FOR HIS KINGDOM, THE KINGDOM OF HAWAII AND FOR HIS DESCENDENT HIS HEIRS AND SUCCESSORS, THIS AGREEMENT OF ALL THESE LANDS WRITTEN ON THESE PAGES 178, 182, 184, 186, 190, 194, 200, 204, 206, 210, 212, 214, 216, 218, 220 AND 222 IN THE MARBLE BOOK PALAPALA AINA OF 1848.

SO WE HAVE IT WRITTEN AND DOCUMENTED AS A "DEED" BY KING KAMEHAMEHA III
1 - TO HIMSELF - HIS CROWN LANDS
2 - TO HIS KINGDOM - THE KINGDOM OF HAWAII
3 - TO HIS HEIRS - HIS FAMILY BY GENEALOGY
4 - TO HIS SUCCESSORS - HIS FAMILIES, FAMILY LANDS BY GENEALOGY

AND THEREFORE BY THIS PALAPALA OR DOCUMENT THE FIRST INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848.
KING KAMEHAMEHA III DECLARED HIS SHARE OF LANDS OF THE ISLANDS OF NA MOKU PUNI CALLED HAWAII AND BY THIS PALAPALA "ALL THAT HE TOOK, WAS ALL THAT HE GOT".
YES ONLY THE LAND SET ASIDE HERE BY KING KAMEHAMEHA III IS HIS KINGDOM AND/OR CROWN LANDS ALSO FOR HIS HEIRS AND SUCCESSORS.

THE KINGDOM AND/OR CROWN LAND OF HAWAII THAT WERE DEFINED IN THE

ORGANIC ACT OF 1900 IN TRUST FOR THE BENEFIT OF THE HAWAIIAN PEOPLE
ARE HERE ALSO.

PAGE 222 OF THE MAHELE BOOK LANDS OF KAUAI DEEDED TO KING KAMEHAMEHA
III

HANAPEPE - WAILUA- ANAHOLA

KALALOEO - KAPAA

WAIMEA & HANALEI ARE QUESTION MARK?

HANALEI IS NOT AN ANCIENT PLACE, HANALEI IS ANCIENT HANALEI IS PART OF
WAIOLI.

WAIMEA IS NOT LAND, WAIMEA IS CLEAN DRINKING WATER FOR THE SHIPS
(WAIMEA IS A SPRING WATER) IN THE AHUPAA OF HAKAWELI AT KAUNULOA

LANDING

NO KE AU PUNI
THE GREAT MAHELE
OF
JANUARY 27, 1848

BELONGING DEFINITELY TO AU PUNI

TRANSLATION KANAKA HAOLI TO ENGLISH THE SECOND PALAPALA OR INSTRUMENT
OR DEED

IN THIS DIVISION, KING KAMEHAMEHA III, SIGNED AND SEALED THE FOLLOWING
DOCUMENTS WHICH WERE TAKEN RIGHT FROM THE MAHELE BOOK, WRITTEN IN
KANAKA HAOLI LANGUAGE THIS TRANSLATION IS TO ENGLISH BY A NATIVE
KANAKA HAOLI CHIEF PUNI OF THIS ERA OR AU PUNI BY GENEALOGY

(E IKE OUROU E NA KANAKA A PAU MA KEIA PALAPALA)

I RECOGNIZE YOU BY THIS KANAKA MAOLI PEOPLE ENTIRELY AND BY THIS
DOCUMENT

(O WAU O KAMEHAMEHA III NO KA LOKO MAI KAI O KE AKUA KE ALII O KO
HAWAII NEI PAE AINA)

I HUMBLY AGREE I KAMEHAMEHA III BELONGING TO THIS GOODWILL AGREEMENT
OUR LEADER, OUR CHIEF OF THIS ISLANDS THIS GROUP OF LANDS
(KE HAAMI AKU NEI AU ME KA HOOLIO A ME KA HOOKAWALE MAULOA)
A DEFINITE AMOUNT TO GIVE AWAY IN THIS ERA, TO APSS IN TO POSSESSION
TO GET AS HIS OWN AND TO BE DIVIDED FOREVER.

(AKU NO NA ALII, A ME HA KANAKA O KO'U AU PUNI)
THIS DEFINITE AMOUNT BELONGING TO THIS CHIEF, AND YES THIS PERSON NAME
AU PUNI

(A LILO KOU KULEANA A PAU)
TO GET AS HIS OWN POSSESSION THIS PORTIONS OF LANDS ENTIRELY
(A ME KOU LIHI A ME KO'U WAIWAI A PAU ILOKO)
HIS OWN THESE BOUNDARIES OF LANDS, HIS OWN THESE ASSETS, POSSESSION,
ESTATES, PROPERTY, WATER, GOODS, FINANCIAL BENEFITS, WEALTH, NORTH,
RICHES, COSTLY VALUE, VALUABLES, USEFUL VALUABLES, IMPORTANCE.

ENTIRELY ALL THE INTERIOR OF THE LANDS ALSO.
(O MA AINA EIA NO HA KO HAWAII PAE MORU)
THIS AGREEMENT BELONGING TO THIS LANDS, YOU ARE NOTIFYED FOR IN BEHALF
OF THIS GROUP OF ISLANDS.

(UA KA UIA MA NA AOAO)
TO PRESERVE THIS WRITTEN REPORT SUBMITTED IN BEHALF OF THIS OPTION
OF THE 2 PARTIES TO AN AGREEMENT OF ALL LANDS ON PAGES OF THE MAHELE
BOOK STARTING AT PAGE 179, 181, 183, 185, 187, 189, 191, 193, 195,
197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223,
AND 225
O KEIA PUKE
AGREEMENT WRITTEN IN THIS BOOK

In this division, KING KAMEHAMEHA III, signed and sealed the following document, which was taken right from the MAIELE BOOK:

"E ike oukou e na kanaka apau ma keia palapala. O wau o KAMEHAMEHA III, no ka lokomaikai o Ke Akua ke Alii o ko. Hawaii nei Pae Aina, ke hanawi aku nei au me ka hoolilo a me ka hoookawale mau loa aku no na Alii a me na kanaka o ko'u Aupuni, a lilo ko'u kuteana a pau a me ko'u tibi a me ko'u waiwai apau iloko o na aina; eia no ma ko Hawaii Pae Moku, ua kakauia ma na aoao 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, and 225, o keia Buke,

KO KE AUPUNI
(179)

<u>MOKUPUNI</u>	<u>AHUPUAA</u>	<u>KALANA</u>
	2 PAHOEHOE 1,2	" KONA HAWAII
MAUNALEI	Mea ole "	KONA HAWAII
	2 MARUU 1,2	" KONA HAWAII
7 MAUNAOUI	1,2,3,4,5,6,7	" KONA HAWAII
HALEIWI	"	" KONA HAWAII
	2 OPIHIHALI 1,2	" KONA HAWAII
1 KAPAOEROE 1	"	" KONA HAWAII
ANASUKA	"	" KONA HAWAII
HOOPILOA	"	" KONA HAWAII
KEOPUKA	"	" KONA HAWAII
KAHANAHAIKI	aoe aina ASA KAEQ	KONA HAWAII
AUHAUKEAE	"	" KONA HAWAII
KEEEEE 2	"	" KONA HAWAII
LEHUULA IKI	"	" KONA HAWAII
KAAMALOA	Awa a me Kahi honua i kai	KONA HAWAII
KEALAKEKUA	Awa a me kahi honua i kai	KONA HAWAII
KEEEEE 1	"	" KONA HAWAII
2 KANAUE 1,2	"	" KONA HAWAII
OMA 1	"	" KONA HAWAII
PUAA HEMA	"	" KONA HAWAII
PAHOEHOE O KEQUA	"	" KONA HAWAII
MAUNAOUI	"	" KONA HAWAII
WAIEA	"	" KONA HAWAII
AWALUA	"	" KONA HAWAII
HIANALOLI	"	" KONA HAWAII
KILOAIKI	"	" KONA HAWAII
KAUHAKO	"	" KONA HAWAII
KANAKAU	"	" KONA HAWAII
MANNINOWALI	"	" KONA HAWAII
KOLO	"	" KONA HAWAII
ELEPAIO	ILI NO HONOKOHAU 2	KONA HAWAII

NO KE AUPUNI
(179/181)

<u>IOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KAIGO	ILLI I KONA	KONA	HAWAI'I
MAHAIALA	"	KONA	HAWAI'I
MILOLII	"	KONA	HAWAI'I
OMOKAA	"	KONA	HAWAI'I
KIPAHOEHOE	"	KONA	HAWAI'I
KUAMOO	"	KONA	HAWAI'I
KALUKALU	"	KONA	HAWAI'I
2 OKOA 1,2	"	KONA	HAWAI'I
LANIHAU 2	"	KONA	HAWAI'I
MAIHI	"	KONA	HAWAI'I
KAHULUI	"	KONA	HAWAI'I
KILOANUI	"	KONA	HAWAI'I
2 PAHOEOHE 1,2	"	KONA	HAWAI'I
ALIKA	"	KONA	HAWAI'I
KUKIO 1	"	KONA	HAWAI'I
KALAOA	"	KONA	HAWAI'I
LAULA	ILLI 2	KONA	HAWAI'I
KUKIO	"	KONA	HAWAI'I
HONUAULA	"	KONA	HAWAI'I
1 OPIIHIA LI	"	KONA	HAWAI'I
KALANAWAIAWAWA	"	KONA	HAWAI'I
WALEA	"	KONA	HAWAI'I
WAIPUNAULAIKI	"	KONA	HAWAI'I
ALAE	"	KONA	HAWAI'I
OPIIHIA LI	"	KONA	HAWAI'I
PAPA	"	KONA	HAWAI'I
MAKAULA	"	KONA	HAWAI'I
PAPALELE	ILLI NO HONUAINO NUI	KONA	HAWAI'I
KAOHE	"	KONA	HAWAI'I
PAHOEOHE	"	KONA	HAWAI'I
ALIKA	"	KONA	HAWAI'I

NO KE AUPUNI
(181/183)

<u>IOA O NA AINA</u>	<u>AHUPUAA</u>	<u>KALANA</u>	<u>MOKUPUNI</u>
KOHANAIAKI	"	KONA	HAWAI'I
KUKIO	"	KONA	HAWAI'I
KOOLII	HOLUALOA 3	KONA	HAWAI'I
KAULEHUA	ILLI NO HOLUALOA	KONA	HAWAI'I
WAIPUNAULAIKI	"	KONA	HAWAI'I
KAULANAMAUNA	"	KONA	HAWAI'I
HONALO	"	KONA	HAWAI'I
HONALO	"	KONA	HAWAI'I
HAWAI'I	"	KONA	HAWAI'I
KEOPUKA	"	KONA	HAWAI'I
KAPALAALAEA	"	KONA	HAWAI'I
KAUARIA	ILLI I KONA	KONA	HAWAI'I
KALAOA	"	KONA	HAWAI'I
POUANAHULU	"	KONA	HAWAI'I
KAULANA	"	KONA	HAWAI'I
KEALAKEHA	"	KONA	HAWAI'I
KAPUAI	ILLI NO KALAHIKI	KONA	HAWAI'I
KALAMA 2	"	KONA	HAWAI'I
LAALOA	"	KONA	HAWAI'I
PAHOEOHE	"	KONA	HAWAI'I
KIPU	ILLI NO KEEI	KONA	HAWAI'I
OHIKI	"	KONA	HAWAI'I
KAMAKAOLOHE	ILLI NO PAHOEOHE	KONA	HAWAI'I
1 OPIIHIA LI	"	KONA	HAWAI'I
KALAOA 3	"	KONA	HAWAI'I
HAUKALUA	"	KONA	HAWAI'I
PAHOEOHE	"	KONA	HAWAI'I
LANIHAU	"	KONA	HAWAI'I
OOMA	"	KONA	HAWAI'I
KUKUOIPE	"	KONA	HAWAI'I
OKOE I KAPALIULUA	"	KONA	HAWAI'I
KALAOA	"	KONA	HAWAI'I
KEOLU I KAILUA	"	KONA	HAWAI'I

WRES (cont.)

NO KE AUPUNI
(183)

NOA O NA AINA

AHUPUAA

MOKUPUNI

KALUKALU	"	KONA	HAWAII I
MAKAKA	"	KAU	HAWAII I
WALLAU	"	KAU	HAWAII I
KAALAIKI	"	KAU	HAWAII I
FIOLAKAA	"	KAU	HAWAII I
PAPAIKOU	"	KAU	HAWAII I
NUKAKALA	"	KAU	HAWAII I
NOHOAE	"	KAU	HAWAII I
HILONAA	"	KAU	HAWAII I
KAWALA	"	KAU	HAWAII I
MANNIENTE	"	KAU	HAWAII I
MANUKA	"	KAU	HAWAII I
MAKAKA	"	KAU	HAWAII I
RAHEA	"	KAU	HAWAII I
PAPAIKOU	"	KAU	HAWAII I
KEAA	"	KAU	HAWAII I
KALAAALA	"	KAU	HAWAII I
POUPOUWELA	"	KAU	HAWAII I
WAALOA	"	KAU	HAWAII I
KAHAEA	"	KAU	HAWAII I
KIAO	"	KAU	HAWAII I
2 KEAA 1, 2	"	KAU	HAWAII I
HOKUKANO	"	KAU	HAWAII I
PIULENA	"	KAU	HAWAII I
ILLOKAOLA	"	KAU	HAWAII I
PUOEHU	"	KAU	HAWAII I
ROPU	"	KAU	HAWAII I
KIIOKALANI	"	KAU	HAWAII I
PAPOHAKU	"	KAU	HAWAII I
AEMALO	"	KAU	HAWAII I
MAKAKA 2	"	KAU	HAWAII I
MOAULA	"	KAU	HAWAII I
PAPOHAKU	"	KAU	HAWAII I
KAINAMANO	"	KAU	HAWAII I
KAHIHIPALI	"	KAU	HAWAII I
WALOPUA	"	KAU	HAWAII I
WAIMUKU	"	KAU	HAWAII I
OKAU	"	KAU	HAWAII I
PUUEO	"	PUNA	HAWAII I
HONOLULU	"	PUNA	HAWAII I
POPOKI	"	PUNA	HAWAII I
WAAWAA	"	PUNA	HAWAII I
KIALAKOMO me KILAUEA	"	PUNA	HAWAII I
NANAWALE	"	PUNA	HAWAII I
MARENA	"	PUNA	HAWAII I
FEAUOAHANA	"	PUNA	HAWAII I
KANANE 1	"	PUNA	HAWAII I

WRES (cont.)

NO KE AUPUNI
(185 / 187)

NOA O NA AINA

AHUPUAA

MOKUPUNI

KALANA	"	PUNA	HAWAII I
KI	"	PUNA	HAWAII I
KAMAILI	"	PUNA	HAWAII I
PANAUTIKI	"	PUNA	HAWAII I
KEONEPOKE	"	PUNA	HAWAII I
WAAWAA	"	PUNA	HAWAII I
KAUKULAU	"	PUNA	HAWAII I
POUPOU 1	"	PUNA	HAWAII I
POUPOU 2	"	PUNA	HAWAII I
POHOIKI	"	PUNA	HAWAII I
ONELEA	"	PUNA	HAWAII I
KEOKEA	"	PUNA	HAWAII I
KIKALA 1	"	PUNA	HAWAII I
KIKALA 2	"	PUNA	HAWAII I
MAKUU	"	PUNA	HAWAII I
KAPAAHU	"	PUNA	HAWAII I
KAPAAHU 2	"	PUNA	HAWAII I
PULAMA	"	PUNA	HAWAII I
POUPOU	"	PUNA	HAWAII I
OPILIKAO	"	PUNA	HAWAII I
HALFPUAU	"	PUNA	HAWAII I
KAOE	"	PUNA	HAWAII I
KAICLONA	"	PUNA	HAWAII I
KANEKIKI	"	PUNA	HAWAII I
KAUWELEAU	"	PUNA	HAWAII I
ILI KU I KUPAHUA	"	PUNA	HAWAII I
KAIKAWONO	"	PUNA	HAWAII I
MALAMA	"	PUNA	HAWAII I
PULAMA	"	PUNA	HAWAII I
OAHALANUI	"	PUNA	HAWAII I
KANIHAHKU	"	PUNA	HAWAII I
ONELOA	"	PUNA	HAWAII I
ILI NO NANAWALE	"	PUNA	HAWAII I

NO KE AUPUNI
(187/139)

NOA O NA AINA	AHUPUĀA	KALANA	MOKUPUNI
KŪPAHUA	"	PUNA	HAWAII'
MALANA	ILI NO KUPAHUA	PUNA	HAWAII'
LONOKAEHO	ILI NO KUPAHUA	PUNA	HAWAII'
HAPA'IKI	"	PUNA	HAWAII'
KULAINANO	"	HILo	HAWAII'
KUHUA	"	HILo	HAWAII'
WAILEA	"	HILo	HAWAII'
LAUPAOHEOE 1	"	HILo	HAWAII'
LAUPAOHEOE 2	"	HILo	HAWAII'
HONOMU	"	HILo	HAWAII'
KA'HUA	"	HILo	HAWAII'
MOKUHONUA	"	HILo	HAWAII'
I KAIWIKI O KAI	"	HILo	HAWAII'
KAOHAOHA	"	HILo	HAWAII'
KAHINALO	"	HILo	HAWAII'
KAPUA 1	"	HILo	HAWAII'
URAMA	"	HILo	HAWAII'
MAKAOKŪ	ILI NO WALKER	HILo	HAWAII'
KAHALI'I	"	HILo	HAWAII'
KIRALA	"	HILo	HAWAII'
KALIWIKINUI	"	HILo	HAWAII'
OKALA	"	HILo	HAWAII'
KAIWIKI	AKAHT	HILo	HAWAII'
NAKAHOHAOA	"	HILo	HAWAII'
PUOHAI	"	HILo	HAWAII'
ULIKANU	"	HILo	HAWAII'
KU'ATA	"	HILo	HAWAII'
HOKOA	"	HILo	HAWAII'
KUMAOHE	"	HILo	HAWAII'
NAPALOA	"	HILo	HAWAII'
NAKALALAU 1, 2, 3, 4,	"	HILo	HAWAII'

NO KE AUPUNI
(189/191)

NOA O NA AINA	AHUPUĀA	KALANA	MOKUPUNI
NAKIHALANI	"	HAWAII'	HAWAII'
PAE'OH	"	HILo	HAWAII'
OPE'A	"	HILo	HAWAII'
KAWAINU'I	"	HILo	HAWAII'
MAUMAU	"	HILo	HAWAII'
KAMAE	"	HILo	HAWAII'
KAWAINU'I	"	HILo	HAWAII'
PAPAA	"	HILo	HAWAII'
PUUOHUA	"	HILo	HAWAII'
PUEOPAKU	"	HILo	HAWAII'
NENE	"	HILo	HAWAII'
KAMAE	"	HILo	HAWAII'
KA'OMA	"	HILo	HAWAII'
WAILUA'IKI	"	HILo	HAWAII'
AAMANU	"	HILo	HAWAII'
KIA'PU	"	HILo	HAWAII'
KAHU'ILA	"	HILo	HAWAII'
PAIHA'ALO'A	"	HILo	HAWAII'
KALIWILAHILAHII	"	HILo	HAWAII'
KAMAE	"	HILo	HAWAII'
WA'INAKU	"	HILo	HAWAII'
KAHALI'I	"	HILo	HAWAII'
KAMAE	"	HILo	HAWAII'
HAUKALUA 1	"	HILo	HAWAII'
HAUKALUA 2	"	HILo	HAWAII'
MAKEA	"	HILo	HAWAII'
POHAKUKAHI	"	HILo	HAWAII'
KALAU	"	HILo	HAWAII'
KILAU	"	HILo	HAWAII'
MOKUHOONIKI	"	HILo	HAWAII'
PUEOPAKU	"	HILo	HAWAII'
PUUHUNE	"	HILo	HAWAII'

NO KE AUPUNI
(191)

NO O MA AINA	AHUPUUA	KALANA	MOKUPUNI
KUPOKUEA	"	HILLO	HAWAI'I
AVAPUHI	"	HILLO	HAWAI'I
PUAAKULOA	"	HILLO	HAWAI'I
MALAMALAMAIAKI	"	HILLO	HAWAI'I
KAAMA	"	HILLO	HAWAI'I
ALEAMA I	"	HILLO	HAWAI'I
KULANAKI I	"	HILLO	HAWAI'I
PUALAEA	"	HILLO	HAWAI'I
OPEA	"	HILLO	HAWAI'I
PUOHUA	"	HILLO	HAWAI'I
NINOLE	"	HILLO	HAWAI'I
PALEAU	"	HILLO	HAWAI'I
ALAKAHI	"	HILLO	HAWAI'I
KAIWIKI	"	HILLO	HAWAI'I
KAIHUULA	"	HILLO	HAWAI'I
KAPEHU	"	HILLO	HAWAI'I
KANKEPA	"	HILLO	HAWAI'I
KAHOE	"	HAMAKUA	HAWAI'I
KAUMOALI	"	HAMAKUA	HAWAI'I
KAHOE	"	HAMAKUA	HAWAI'I
MANAWAIKOHAO	"	HAMAKUA	HAWAI'I
OUIHI	"	HAMAKUA	HAWAI'I
KAWIKIWIKI	"	HAMAKUA	HAWAI'I
PA'A 1	"	HAMAKUA	HAWAI'I
PA'A 2	"	HAMAKUA	HAWAI'I
1. KAPAAHU	"	HAMAKUA	HAWAI'I
KUUIA	"	HAMAKUA	HAWAI'I
KAHA	"	HAMAKUA	HAWAI'I
MANOWAIKOHAO	"	HAMAKUA	HAWAI'I
1. OPIIHALLI 1	"	HAMAKUA	HAWAI'I
1. OPIIHALLI 2	"	HAMAKUA	HAWAI'I

NO KE AUPUNI
(191/1923)

NO O MA AINA	AHUPUUA	AHUPUUA	MOKUPUNI
1. OPIIHALLI 3	"	"	HAWAI'I
AAMANU	"	HAMAKUA	HAWAI'I
KEAHUA	"	HAMAKUA	HAWAI'I
KEKUALELE	"	HAMAKUA	HAWAI'I
1. KAROLO 1	"	HAMAKUA	HAWAI'I
1. KAROLO 2	"	HAMAKUA	HAWAI'I
MAONAROMALIE	"	HAMAKUA	HAWAI'I
REALAKAHA	"	HAMAKUA	HAWAI'I
HOEA	"	HAMAKUA	HAWAI'I
KAWIKIWIKI	"	HAMAKUA	HAWAI'I
KEMAU	"	HAMAKUA	HAWAI'I
POHAKUKAHI	"	HAMAKUA	HAWAI'I
WAIAKALULU	"	HAMAKUA	HAWAI'I
1. KAAO 1	"	HAMAKUA	HAWAI'I
1. KAAO 2	"	HAMAKUA	HAWAI'I
KAMOKALA	"	HAMAKUA	HAWAI'I
1. HAUGA 1	"	HAMAKUA	HAWAI'I
1. HAUGA 2	"	HAMAKUA	HAWAI'I
1. HENHENHEULA 2	"	HAMAKUA	HAWAI'I
PUOPALA	"	HAMAKUA	HAWAI'I
KEEA 3	"	HAMAKUA	HAWAI'I
1. KAPAAULA 1	"	HAMAKUA	HAWAI'I
1. KAPAAULA 2	"	HAMAKUA	HAWAI'I
1. KAPAAULA 3	"	HAMAKUA	HAWAI'I
1. KAPAAULA 4	"	HAMAKUA	HAWAI'I
1. KAPAAULA 5	"	HAMAKUA	HAWAI'I
PAAUULO	"	HAMAKUA	HAWAI'I
WAIKOLOA	"	HAMAKUA	HAWAI'I
PUEO	"	HAMAKUA	HAWAI'I
HAINA	"	HAMAKUA	HAWAI'I
KEKUALELE	"	HAMAKUA	HAWAI'I

NO KE AUPUNI
(193/195)

NO KE AUPUNI
(195/197)

WR65 (cont.)

NOA O NA AINA	AHUPUUA	KALANA	MOKUPUNI	AHUPUUA	KALANA	MOKUPUNI
LAUPAHOEHOE	"	HAMAKUA	HAWAII'	KAOMA	KOHALA	HAWAII'
NAKOOKA	"	HAMAKUA	HAWAII'	MAKEANEHU	KOHALA	HAWAII'
APUAA	"	HAMAKUA	HAWAII'	KAIHOOA	KOHALA	HAWAII'
KAWAIKAPU	"	HAMAKUA	HAWAII'	PUAIKI	KOHALA	HAWAII'
HONOPUE	"	HAMAKUA	HAWAII'	LAPAKAHU	KOHALA	HAWAII'
AWINI	"	HAMAKUA	HAWAII'	"	KOHALA	HAWAII'
HAUKOI	"	HAMAKUA	HAWAII'	"	KOHALA	HAWAII'
ABUALOA	"	HAMAKUA	HAWAII'	"	KOHALA	HAWAII'
2 KAAO 1, 2	"	HAMAKUA	HAWAII'	Awa a me kahi honua i kai KOHALA	KOHALA	HAWAII'
MAONAMALIE	"	HAMAKUA	HAWAII'	1 PAUahi 1	KOHALA	HAWAII'
WAIALEALE	"	HAMAKUA	HAWAII'	1 PAUahi 2	KOHALA	HAWAII'
KAMAULI	"	HAMAKUA	HAWAII'	LANIKEPUE	KOHALA	HAWAII'
KALUA	"	HAMAKUA	HAWAII'	KOKOKI	KOHALA	HAWAII'
½ MALAUHAEE	"	HAMAKUA	HAWAII'	MAHUKONA	KOHALA	HAWAII'
AU	"	HAMAKUA	HAWAII'	"	KOHALA	HAWAII'
KAAUHUHU	"	HAMAKUA	HAWAII'	PAAO	KOHALA	HAWAII'
PUULENA	"	HAMAKUA	HAWAII'	MAKANIKAHIO	KOHALA	HAWAII'
½ KAPAPU	"	HAMAKUA	HAWAII'	UPOLU	KOHALA	HAWAII'
WAIAKAALULU	"	HAMAKUA	HAWAII'	HONOTHU	KOHALA	HAWAII'
MANAWAIALEE	"	HAMAKUA	HAWAII'	HALAULA	KOHALA	HAWAII'
KUILEI	"	HAMAKUA	HAWAII'	KAIHOOA 2	KOHALA	HAWAII'
PAPANUI	"	HAMAKUA	HAWAII'	OKAU 1	KOHALA	HAWAII'
PUANUI	"	HAMAKUA	HAWAII'	OKAU 2	KOHALA	HAWAII'
½ KAUMANOMANO	"	HAMAKUA	HAWAII'	OKAU 3	KOHALA	HAWAII'
LAULU	"	HAMAKUA	HAWAII'	OKAU 4	KOHALA	HAWAII'
MANIANIA	"	HAMAKUA	HAWAII'	OKAU 5	KOHALA	HAWAII'
HONOIPPO	"	KOHALA	HAWAII'	OKAU 6	KOHALA	HAWAII'
1 HIRUI 1	"	KOHALA	HAWAII'	OKAU 7	KOHALA	HAWAII'
1 HIRUI 2	"	KOHALA	HAWAII'	PAOPAO	KOHALA	HAWAII'
OPIHIPAU	"	KOHALA	HAWAII'	LAMALOLOA	KOHALA	HAWAII'
POO	"	KOHALA	HAWAII'	HUALUA	KOHALA	HAWAII'
				KEKIKIKI	KOHALA	HAWAII'
				ILI I APUAKEHAU	KOHALA	HAWAII'
				2 ILI AINA I	KOHALA	HAWAII'
				NIULII		

NO KE AUPUNI
(197/199)

NOA O NA AINA	AHUPUAA	KALANA	NOKUPUNI
HANAWEO	ILI I NIULII	KOHALA	HAWAI'I
LANIKELE	ILI NO LANKELE I HONOMAKAU	KOHALA	HAWAI'I
MAKEANEHU	"	KOHALA	HAWAI'I
PUEHUEHU	"	KOHALA	HAWAI'I
KAPUA	"	KOHALA	HAWAI'I
KAHEI	"	KOHALA	HAWAI'I
KABA	ILI I NIULII	KOHALA	HAWAI'I
AWILI	"	KOHALA	HAWAI'I
HAENA	"	KOHALA	HAWAI'I
LAUUMAMANUI	"	KOHALA	HAWAI'I
HONOMAKAU	"	KOHALA	HAWAI'I
AWALOA	"	KOHALA	HAWAI'I
HALAWA	"	KOHALA	HAWAI'I
PUEHUA	I MOOKINI "	KOHALA	HAWAI'I
LAHUIKI	ILI NO KUKUIPAHU	KOHALA	HAWAI'I
I KALALA	"	KOHALA	HAWAI'I
I PUEKE	"	KOHALA	HAWAI'I
I UPOLU	"	KOHALA	HAWAI'I
KAHEI e pili ana me KAAUHUHU	"	KOHALA	HAWAI'I
HUKI'A WAENA	"	KOHALA	HAWAI'I
PAWAA	"	KOHALA	HAWAI'I
KEHEI	"	KOHALA	HAWAI'I
I PAOPAO	"	KOHALA	HAWAI'I
AWINI	"	KOHALA	HAWAI'I
AINAKEA 1	"	KOHALA	HAWAI'I
MAUILLI	"	KOHALA	HAWAI'I
LAUUMAMAIK	"	KOHALA	HAWAI'I
HIHIU	"	KOHALA	HAWAI'I
MAKEANEHU	"	KOHALA	HAWAI'I
KALALA	"	KOHALA	HAWAI'I
PAHTHA	ILI NO AINAKEA	KOHALA	HAWAI'I
KURUIWALUHUA	"	KOHALA	HAWAI'I

NO KE AUPUNI
(199/201)

NOA O NA AINA	AHUPUAA	KALANA	NOKUPUNI
AHUAKEHAU	"	KOHALA	HAWAI'I
HOPEOLAA	ILI NO HALAWA	KOHALA	HAWAI'I
PUALOLO	ILI NO HALAWA	KOHALA	HAWAI'I
WAAWA	ILI NO WAIMEA	KOHALA	HAWAI'I
POHAKULUA	"	KOHALA	HAWAI'I
MAKEANEHU	"	KOHALA	HAWAI'I
KIPILIO	"	KOHALA	HAWAI'I
KOKIO	"	KOHALA	HAWAI'I
KEHENNA	"	KOHALA	HAWAI'I
POHAKUPU	"	KOHALA	HAWAI'I
NAHUKONA PULEHU	"	KOHALA	HAWAI'I
PAOO	"	KOHALA	HAWAI'I
AINAKEA 2	"	KOHALA	HAWAI'I
PUUNAUTIKI	"	LAHAINA	MAUI
UHAO	"	LAHAINA	MAUI
PUAHOOWALI	"	LAHAINA	MAUI
KAPUNAKEA	"	LAHAINA	MAUI
PUTIKI	"	LAHAINA	MAUI
KOOKA	"	LAHAINA	MAUI
MOANUI	"	LAHAINA	MAUI
KUHOLLEA	"	LAHAINA	MAUI
WAIKOKOA	"	LAHAINA	MAUI
KAMEHAME 1	"	KULA	MAUI
OMAPIO 6	"	KULA	MAUI
OMAPIO 7	"	KULA	MAUI
OMAPIO 8	"	KULA	MAUI
OMAPIO 9	"	KULA	MAUI
OMAPIO 10	"	KULA	MAUI
I AAAPUEO 2	"	KULA	MAUI
KAHILQ 1	"	KULA	MAUI
KAHILQ 2	"	KULA	MAUI

NO KE AUPUNI
(201/203)

NOA O NA AIHA	AHUPUAA	KALANA	MOKUPUNI
KEAHUA	"	KULA	MAUI
I KUKUIAE 3	"	KULA	MAUI
KAUAU 1	"	KULA	MAUI
KAUAU 2	"	KULA	MAUI
AHUPAU	"	KULA	MAUI
HOKUULA	"	KULA	MAUI
KOALI	"	KULA	MAUI
APUEO	"	KULA	MAUI
OMAOPIO	"	KULA	MAUI
KAMAOLE	"	KULA	MAUI
PULEHU	"	KULA	MAUI
NAALAE	"	HONUAULA	MAUI
MOIKI	"	HONUAULA	MAUI
PAEAHU	"	HONUAULA	MAUI
WAIPAO	"	HONUAULA	MAUI
MOPILO 1	"	HONUAULA	MAUI
NALUAKA	"	HONUAULA	MAUI
PAPAA	"	HONUAULA	MAUI
NALUAKA 1	"	HONUAULA	MAUI
KAULUOHANA	"	HONUAULA	MAUI
KALIHI 1	"	HONUAULA	MAUI
KALIHI 2	"	HONUAULA	MAUI
I KAEO	"	HONUAULA	MAUI
KANAIAO	"	HONUAULA	MAUI
KALOI	"	HONUAULA	MAUI
OMAU	"	HONUAULA	MAUI
PAPAKA	"	HONUAULA	MAUI
MOOLOA	"	HONUAULA	MAUI
MODORUKU	"	HONUAULA	MAUI
KUALAPA	"	HONUAULA	MAUI
KAHIKINUI	KA MOKU	KAHIKINUI	MAUI
KAUPO	"	"	MAUI
AHUPUAA KA NOKU KAUPO			

NO KE AUPUNI
(203 / 205)

NOA O NA AIHA	AHUPUAA	KALANA	MOKUPUNI
KAUPO	"	NA KU O KAUPO I KOE I KEIA MAHELE ANA	MAUI
KOANANAI	"	KIPAHULU	MAUI
KUKUUILAIKI	"	KIPAHULU	MAUI
HALEMANO	"	KIPAHULU	MAUI
MAKANONI	"	KIPAHULU	MAUI
KAKALAHALE	"	KIPAHULU	MAUI
KAPUAIKINI	"	KIPAHULU	MAUI
NAIILIPIOKO 1	"	KIPAHULU	MAUI
NAIILIPIOKO 2	"	KIPAHULU	MAUI
POPOLOA	"	KIPAHULU	MAUI
MAULILI	"	KIPAHULU	MAUI
KIKOO	"	KIPAHULU	MAUI
KAUMAKANI	"	KIPAHULU	MAUI
ALAE	"	KIPAHULU	MAUI
NAKALAE	"	KIPAHULU	MAUI
WAILAMOA	"	KIPAHULU	MAUI
AOAO MA KAUPO	"	KIPAHULU	MAUI
KAUMAKANI	"	KIPAHULU	MAUI
KAPUAIKINI	"	KIPAHULU	MAUI
KALENA	"	KIPAHULU	MAUI
POPOLOA	"	KIPAHULU	MAUI
KAFHOEO	"	KIPAHULU	MAUI
POPONUI	"	KIPAHULU	MAUI
KALENAIKI	"	KIPAHULU	MAUI
WAILAMOA	"	KIPAHULU	MAUI
KAKALAHALE	"	KIPAHULU	MAUI
NAWANANALUA	"	HANA	MAUI
^ HONOMAELE	"	HANA	MAUI
WAKIU	"	HANA	MAUI
I KEAA 1	"	KOOLAU	MAUI
KOOLAU KA MOKU	"	KOOLAU	MAUI
HANAWANA	"	HAMAKUA	MAUI

IO KE AUPUNI

NO KE AUPUNI

<u>NOA O NA AINA</u>	<u>AHUPUUA</u>	<u>KALANA</u>	<u>NOKUPUNI</u>
NAULILI	"	"	MOLOKAI
POHAKULOA	"	"	MOLOKAI
KALUAKOI 1	"	"	MOLOKAI
KALAWAO	"	"	MOLOKAI
HOOLEHUA	"	"	MOLOKAI
KAMANONI	"	"	MOLOKAI
KAULEI	"	"	MOLOKAI
FAHANANUI	"	"	MOLOKAI
KEANAOKUTINO	"	"	MOLOKAI
KAAMOLA 1	"	"	MOLOKAI
KAAMOLA 2	"	"	MOLOKAI
KAAMOLA 3	"	"	MOLOKAI
KAAMOLA 4	"	"	MOLOKAI
PONIUOHUA	"	"	MOLOKAI
MANAWAINUI	"	"	MOLOKAI
KIEPU	"	"	MOLOKAI
MOANUI	"	"	MOLOKAI
MAKAKUPATAUNUI	"	"	MOLOKAI
OHIA 1 - HIKINA	"	"	MOLOKAI
KNHANUUI	"	"	MOLOKAI
AHAINO	"	"	MOLOKAI
LUPEHU	"	"	MOLOKAI
PONIUOHUA	"	"	MOLOKAI
KAAMOLA	"	"	MOLOKAI
KAMILOLOA	"	"	MOLOKAI
KAIHALU	"	"	MOLOKAI
KAMMOLA	"	"	MOLOKAI
1. PUKOO 2	"	"	MOLOKAI
MANTANIA	"	"	MOLOKAI
PAWILLI	"	"	LANAI
KEALIA 1	"	"	LANAI
KEALIA 2	"	"	LANAI

OKE AUPUNI (209)

WR65 (cont.)

NO KE AUPUNI
(2009/211)

NOA O NA AINA	AHUPUAA	KALANA	MOKUPUNI
			(209/211)
KAILILI KAALALAO	ILI NO HONOLULU	KONA	OAHU
LAUKALO	ILI NO HONOLULU	KONA	OAHU
OLOMANA	ILI NO HONOLULU	KONA	OAHU
KUAIPARKO	ILI NO HONOLULU	KONA	OAHU
KALLA	ILI NO WAIKIKI	KONA	OAHU
KAHAOLE	ILI NO WAIKIKI	KONA	OAHU
KALUUAHOLE	ILI NO WAIKIKI	KONA	OAHU
KALUUALAEA	ILI NO WAIKIKI	KONA	OAHU
KAPUNA	ILI NO WAIKIKI	KONA	OAHU
NUKUNUKUAULA	ILI NO WAIKIKI	KONA	OAHU
KAAUMOAA	ILI NO WAIKIKI	KONA	OAHU
AUAUKAI	ILI NO WAIKIKI	KONA	OAHU
WAIHINALO	ILI NO WAIKIKI	KONA	OAHU
MOOKAHT	ILI NO WAIKIKI	KONA	OAHU
PAWAA O MAALO	ILI NO WAIKIKI	KONA	OAHU
KALUAOLOHE	ILI NO WAIKIKI	KONA	OAHU
WAIKAKA	ILI NO WAIKIKI	KONA	OAHU
KUMUULU	ILI NO WAIKIKI	KONA	OAHU
KAHOIWAI 1	ILI NO WAIKIKI	KONA	OAHU
WAIHI	ILI NO WAIKIKI	KONA	OAHU
PAHUPAHUPUAA	ILI NO WAIKIKI	KONA	OAHU
KEONEPANEE	ILI NO KALIHI	KONA	OAHU
KALUUAUU		KONA	OAHU
	PAU NA AINA O KA PAPU		
KAHOOKANE.	ILI NO HONOLULU	KONA	OAHU
KAALAWAI	KA WAI A ME KE KA HUA		
PAWAA	E HANA AI KE HIKI I KA MANAWA E HANA AI KA Ha- wai-i NO HONOLULU.		
	KULA WALE NO	KONA	OAHU

NO KE AUPUNI
(213/215)

TOA O NA ALINA	AHUPUUA	KALANA	MOKUPUNI
KUKULUAEO	ILLI NO WAIKIKI	KONA	OAHU
1 KIONA	ILLI NO KALIHI	KONA	OAHU
2 KUEPEHOU	ILLI NO KALIHI	KONA	OAHU
3 KALEPAA	ILLI NO KALIHI	KONA	OAHU
KALUAOPALENA	ILLI NO KALIHI	KONA	OAHU
KEAUHOU	ILLI NO KALIHI	KONA	OAHU
MARANI	ILLI NO KALIHI	KONA	OAHU
1 NIAU 1	ILLI NO KALIHI	KONA	OAHU
1 NIAU 2	ILLI NO KALIHI	KONA	OAHU
POHAKAHLAWAIA	ILLI NO KALIHI	KONA	OAHU
3 POUIKI	ILLI NO KAPALAMA	KONA	OAHU
MAONA	ILLI NO AIEA	EWA	OAHU
1 KAPAEILI	ILLI NO KALAURO	EWA	OAHU
1 KAUAPOLEI	ILLI NO KALAURO	EWA	OAHU
KAUOPAI	ILLI NO KALAURO	EWA	OAHU
1 KAHAWAI	ILLI NO KALAURO	EWA	OAHU
KAPUAI	ILLI NO KALAURO	EWA	OAHU
1 KAHIKEA	ILLI NO WAIMALU	EWA	OAHU
ANANA	ILLI NO WAIMALU	EWA	OAHU
POHAKUPU	ILLI NO WAIMALU	EWA	OAHU
KAHALAA	ILLI NO WAIMALU	EWA	OAHU
KAUNTUMI	ILLI NO WAIMALU	EWA	OAHU
NALIMA	ILLI NO WAIAU	EWA	OAHU
NAONO	ILLI NO WAIAU	EWA	OAHU
1 KALUAOLOHE	ILLI NO WAIAU	EWA	OAHU
KAIHUOKAPIUA	ILLI NO WAIMANO	EWA	OAHU
KAHAPAPAI	ILLI NO WAIMANO	EWA	OAHU
PUALEHUA	ILLI NO WAIMANO	EWA	OAHU
PUUKAPU 1	ILLI NO WAIMANO	EWA	OAHU
PUUKAPU 2	ILLI NO WAIMANO	EWA	OAHU
1 LOPA	ILLI NO WAIMANO	EWA	OAHU
KALANTHALE	ILLI NO MANANA	EWA	OAHU
MANANA UKA	O MANANA IKI	EWA	OAHU

NO KE AUPUNI
(215/217)

ENO O NA ALINA	AHUPUUA	KALANA	MOKUPUNI
OKAI	ILLI NO MANANA IKI	EWA	OAHU
LITUE	ILLI NO MANANA IKI	EWA	OAHU
HONOPUE	ILLI NO WAIPIO	EWA	OAHU
1 ULU	ILLI NO WAIPIO	EWA	OAHU
KAHAPUUPUU	ILLI NO WAIKELE	EWA	OAHU
WAIAHOU	ILLI NO WAIKELE	EWA	OAHU
ULUNALU	ILLI NO WAIKELE	EWA	OAHU
ULEMOKU	ILLI NO WAIKELE	EWA	OAHU
KAOHAI	ILLI NO WAIKELE	EWA	OAHU
ONIO	ILLI NO WAIKELE	EWA	OAHU
KAHAKUOHIA	ILLI NO WAIKELE	EWA	OAHU
WAIKELE	ILLI NO WAIKELE	EWA	OAHU
PATIVA	ILLI NO WAIKELE	EWA	OAHU
1 AUTOLE	ILLI NO WAIKELE	EWA	OAHU
KANUPOO	ILLI NO WAIKELE	EWA	OAHU
3 KAHANAHAIKI	AHUPUUA	"	"
3 KEAWAULA	"	"	"
3 KALENA	ILLI NO WAIANAE	"	"
MAKUA	AHUPUUA	"	"
KAMANANUI	AHUPUUA	"	"
MOKULEIA 1	"	"	"
MOKULEIA 2	"	"	"
KAWIHAPAI	"	"	"
KEALLA	"	"	"
KAENA	"	"	"
1 WAIYEA	"	"	"
NAOPANA 1	"	"	"
NAOPANA 2	"	"	"
OIO 1	"	"	"
OIO 2	"	"	"
HANAKAOE	"	"	"
ULUPERUPEHU	"	"	"

NO KE AUPUNI
(217/219)

NOA O NA AINAAHUPUAAMOKUPUNIKALANAAHUPUAANOKE AUPUNI

NO KE AUPUNI
(219/221)

MOKUPUNIKALANAAHUPUAANOKE AUPUNI

KEANA	"	KOOLAUOLA	OAHU	KALULOLA	OAHU	KOOLAUPOKO	OAHU
KAIKAPAU 1	"	KOOLAUOLA	OAHU	KANALIA	OAHU	KOOLAUPOKO	OAHU
KAPANO	"	KOOLAUOLA	OAHU	KEAKUPOULO	OAHU	KOOLAUPOKO	OAHU
PUHEEMIKI	"	KOOLAUOLA	OAHU	MAUINONI	OAHU	KOOLAUPOKO	OAHU
WAIONO	"	KOOLAUOLA	OAHU	AINOMI	OAHU	KOOLAUPOKO	OAHU
KAIKAPAU	"	KOOLAUOLA	OAHU	LUUROI	OAHU	KOOLAUPOKO	OAHU
NAKAUA	"	KOOLAUOLA	OAHU	TOLEKAA	OAHU	KOOLAUPOKO	OAHU
KAAAWA	"	KOOLAUOLA	OAHU	WALLELE	OAHU	KOOLAUPOKO	OAHU
KAMOHONAHOPU	ILI NO HAKIPUU	KOOLAUPOKO	OAHU	PUNALUU	OAHU	KOOLAUPOKO	OAHU
PAHALONA	ILI NO HAKIPUU	KOOLAUPOKO	OAHU	PODAWAHAKEA	OAHU	KOOLAUPOKO	OAHU
PUUKALUHA	ILI NO HAKIPUU	KOOLAUPOKO	OAHU	PAKUI	OAHU	KOOLAUPOKO	OAHU
LUPEHU	ILI NO HAKIPUU	KOOLAUPOKO	OAHU	KAHOOLEINAIWA	OAHU	KOOLAUPOKO	OAHU
WAIKANE	"	KOOLAUPOKO	OAHU	WAIHAKA	OAHU	KOOLAUPOKO	OAHU
KAHALAA	ILI NO WAIKANE	KOOLAUPOKO	OAHU	LILEPUNA	OAHU	KOOLAUPOKO	OAHU
KAIFI	ILI NO WAIKANE	KOOLAUPOKO	OAHU	KAHUAULI	OAHU	KOOLAUPOKO	OAHU
MAKANILUA	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	WAIAKOPKI	OAHU	KOOLAUPOKO	OAHU
APUA	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	PUTWA	OAHU	KOOLAUPOKO	OAHU
RUAIOMUKU	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	POHAKEA	OAHU	KOOLAUPOKO	OAHU
KAANUI	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	WAIPAKIKI	OAHU	KOOLAUPOKO	OAHU
KUPAULAU	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	KAMAKALEPO	OAHU	KOOLAUPOKO	OAHU
APEA	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	KAHANAIIKI	OAHU	KOOLAUPOKO	OAHU
KUMUPALI	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	POOKEA	OAHU	KOOLAUPOKO	OAHU
II	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	MALAMALAMA	OAHU	KOOLAUPOKO	OAHU
POAHAMAI	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	KUALILIMA	OAHU	KOOLAUPOKO	OAHU
KAPUKEA	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	KAIOS	OAHU	KOOLAUPOKO	OAHU
URU	ILI NO WAIOHOLE	KOOLAUPOKO	OAHU	WAIMAAUAU	OAHU	KOOLAUPOKO	OAHU
KAALAEA	AHUPUAA	KOOLAUPOKO	OAHU	MAUNAWILI	OAHU	KOOLAUPOKO	OAHU
KAIEIE	ILI NO KAALAEA	KOOLAUPOKO	OAHU	PUANEA	OAHU	KOOLAUPOKO	OAHU
PUAKUKUI	ILI NO KAALAEA	KOOLAUPOKO	OAHU	KALUAIHAKORO	OAHU	KOOLAUPOKO	OAHU
WAHEE	AHUPUAA	KOOLAUPOKO	OAHU	POHAKEA	OAHU	KOOLAUPOKO	OAHU
KAPUNA	ILI NO WAIEE	KOOLAUPOKO	OAHU	MANULELE	OAHU	KOOLAUPOKO	OAHU
KIHEWA	ILI NO WAIEE	KOOLAUPOKO	OAHU				

NO KE AUPUNI

ΙΩΑΝΝΑ ΣΙΝΑ

MOKÜPUNI
KALĀNA

NO RE AUPUNI

WR65 (cont.)

NOA O NĀ AINA	ĀHUPUĀA	RĀLĀNA	MOKUPŪNI
WEIWEILI	"	KONA	KAUAI
HOLEIA AINA BIPÍ	"	PUNA	KAUAI
ULAKAI	ILI MO KAPAA	PUNA	KAUAI
PALKAHAWAII	ILI MO KAPAA	PUNA	KAUAI
OLŌHEWA	ĀHUPUĀA	PUNA	KAUAI
HOMAIKAWAII	"	KOOLAU	KAUAI
HALAUĀA	"	KOOLAU	KAUAI
PAPAA	"	KOOLAU	KAUAI
ALIOMANU	"	KOOLAU	KAUAI
NOLOOA	"	KOOLAU	KAUAI
PILAU KO NGĀ KAEŌ	"	KOOLAU	KAUAI
WAIKALUA HIKI	"	KOOLAU	KAUAI
KILAUĒA	"	KOOLAU	KAUAI
WAIOLI	"	HALELEA	KAUAI
WAIPA 1	"	HALELEA	KAUAI
WAIPA 2	"	HALELEA	KAUAI
KALALAU	"	NAPALI	KAUAI
POHAKUĀO	"	NAPALI	KAUAI
HONOPU	"	NAPALI	KAUAI
HANAKAPIAI	"	NAPALI	KAUAI
HONOKOA	"	NAPALI	KAUAI
KIKIAOLA	ILI NO WAIMEA	KONA	KAUAI
NITHAU	KA MOKUPŪNI	NITHAU	NITHAU
POHUELOA	ĀHUPUĀA	NITHAU	NITHAU
KALUHONU	"	NITHAU	NITHAU
PAUAHULA	"	"	"

THE SECOND PALAPALA OR INSTRUMENT OR DEED OF THE GREAT MAHELE OF JANUARY 27, 1848 AND OVERVIEW IN PERTINENT PARTS WITH TRANSLATION, KANAKA TO ENGLISH

(IE IKE OU KOU) I RECOGNIZE "YOU"

(NA ALII) THIS CHIEF (NA KANAKA) BY THIS FACE OF PEOPLE

(O KO'U AUPUNI) A PERSON NAME AU PUNI

(O WAU O KAMEHAMEHA III) I HUMBLY AGREE I KAMEHAMEHA III (KA LOKO HAI KAI) THIS GOODWILL AGREEMENT

(HOOKAAWALE MAULOA) LANDS TO BE DIVIDED FOR EVER (KOU KULEANA A PAU) THIS PORTIONS OF LANDS ENTIRELY (KOU LIHI) THE BOUNDARIES OF THE LAND

(KA PAU ILOKO) THE INTERIOR OF THE LANDS ALSO (KO U WAIWAI) THESE ASSETS EVERYTHING.

(LEGAL TITLE TO THESE LANDS TO AU PUNI)

ANSWERS TO THE QUESTIONS
CONCERNING THE GOVERNOR'S EXECUTIVE ORDERS

GOV. EX. ORDER	945	PART 1	903.00	AC
GOV. EX. ORDER	945	PART 2	473.52	AC
GOV. EX. ORDER	887		548.57	AC
TRACT E-1			69.562	AC
PRES. PROC. NO.	827		16.2484	AC

A TOTAL OF OVER 2,000 ACRES MORE OR LESS, PAYMENT PER YEAR 1.00 BY THE UNITED STATES TO THE STATE OF HAWAII

THESE GOVERNOR'S EXECUTIVE ORDER'S ARE A FORMAT OF CONSPIRACY BY THE PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH AND UNITED STATES SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. OF WHICH ARE CO-COMSPIRATORS TO COMMIT FRAUD AND TO SWINDLE THE SOVEREIGN LANDS AND ASSETS, LANDS AND ASSETS WERE DEEDED AND ENDORSED BY AGREEMENT BY KING KAMEHAMEHA III, PRINCESS VICTORIA KAMAHALU BY HER GUARDIAN MATIAO KEKUANAOA AND IOANA II, IN THE BIG BOOK (THE GREAT MAHELE OF 1848 PALAPALA IANA) OR DEED BY JON J. CHINEN.

THE SOVEREIGN NATIVE KANAKA MAOLI LANDS WERE NEVER A PART OF THE KINGDOM OF HAWAII AND THEREFORE WERE NEVER OVER THROWN.

ACCORDING TO HISTORY KING KAMEHAMEHA I WAS OF INDEPENDENT POWER AND DID NOT HAVE AN EMPIRE AND THEREFORE DID NOT HAVE THE AUTHORITY OF AN EMPEROR

IN INTERNATIONAL LAW, CONQUEST IS DEFINED BY BOUVIER'S LAW DICTIONARY, 1914 EDITION, AS THE TAKING OF THE SOVEREIGNTY OF A COUNTRY, BY FORCE OF ARMS, EXERCISED BY AND INDEPENDENT POWERS' EMPIRE.

FOR FURTHER IN SIGHT IN TO UNDERSTANDING WHAT CONSTITUTES A CONQUEST, LOOK TO THE DEFINITION OF THE FOLLOWING WORDS:
INDEPENDENT POWER: THE RIGHT, ABILITY OR FACULTY, WHICH IS NOT SUBJECT TO CONTROL, RESTRICTION, MODIFICATION OR LIMITATION FROM ANY GIVEN OUTSIDE SOURCE.

WR65 (cont.)

EMPIRE: THE LANDS OR AREA OR AUTHORITY OF AN EMPEROR
IN VIEW OF THE AFOREMENTIONED, ONE COULD CONCLUDE THAT IT TAKES AN
UNCONQUERED NATION TO CONQUER ANOTHER NATION, AND SINCE KAMEHAMEHA I,
DID NOT CONSTITUTE A NATION, THUS, NO OVERTHROW.

AND THEREFORE LOOKING BACK INTO HISTORY KING KAMEHAMEHA FIRST, SECOND,
AND THIRD DID NOT BRING OUR SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU
PUNI TO A SUBMISSION OF HIS SOVEREIGN LANDS AS REQUIRED BY
INTERNATIONAL LAW.

WHERE AS LOOKING BACK INTO HISTORY, THE YEAR WAS 1893, WHEN AN ILLUSION
WAS CREATED, WITH THE SUPPOSED OVERTHROW OF QUEEN LILIOKALANI, A
DESCENDANT OF KING KAMEHAMEHA I OF WHOM INTERNATIONAL LAW DEFINES AS
NOT HAVING THE AUTHORITY OF AN EMPEROR AND THEREFORE NO EMPIRE TO OVER
THROW.

THE EXECUTIVE COUNCIL, RESPONSIBLE AT THAT TIME, WAS MADE UP OF FOUR
(4) MEN NAMELY JAMES A. KING, STANFORD B. DOLE- PRESIDENT, W.O. SMITH
AND P.C. JONES, THEY AND THOSE WHO FOLLOWED WERE CITIZENS OF THE
UNITED STATES OF AMERICA, AND THEREFORE BOUND TO THE CONSTITUTION AND
LAWS THERE OF.

ACCORDING TO HISTORY, RUMOR HAS IT THAT THERE WERE FIVE BUSINESSMEN
WHO EXECUTED THE SO CALLED OVERTHROW OF THE ISLAND KINGDOM. AS
EVIDENCE ABOVE, FIVE BUSINESSMEN DO NOT CONSTITUTE AN INDEPENDENT
POWER AND/OR A NATION, NOR DID THEY CONTROL AND EMPIRE.

FURTHERMORE, THEY WERE NOT ACTING ON BEHALF OF THE UNITED STATES OF
AMERICA, AS PRESIDENT CLEVELAND DENIED THEM SUPPORT OF AMERICA AND/OR

WR65 (cont.)

HER MILITARY FORCES, IN FACT, PRESIDENT CLEVELAND DEMANDED THESE
BUSINESSMEN TO STOP THEIR ACTIONS IMMEDIATELY.

THESE MEN WERE MERELY ACTING IN THEIR OWN SELF-INTEREST, WITH NO
POWER, NO AUTHORITY AND NO JURISDICTION TO CONSTITUTE AN OVERTHROW
CONQUEST, THUS NO OVERTHROW!!!

AND THEREFORE THE LANDS OF THESE ISLANDS CALLED NA MOKU PUNI O HAWAII
(THESE ISLANDS OF PUNI CALLED HAWAII) ARE SOVEREIGN LANDS OF NATIVE
KANAKA MAOLI CHIEF AU PUNI

NATIVE KANAKA MAOLI CHIEF AU PUNI WAS NEVER BROUGHT TO A SUBMISSION OF
HIS SOVEREIGN LANDS AS REQUIRED BY INTERNATIONAL LAW, BY KING
KAMEHAMEHA I OR THE UNITED STATES OF AMERICA OR ITS CONSPIRATORS.
THEREFORE, MAY IT BE RESOLVED BY THE UNITED STATES OF AMERICA AND THE
SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA CONCERNING THE
LANDS OF NA MOKU PUNI CALLED HAWAII AS DESCRIBED IN THE NATIVE KANAKA
MAOLI MAPS OF 1839 BY KAHALU AND KEPOHONI, THESE TWO MAPS ARE NATIVE.

THE PRESIDENT'S PROCLAMATION'S, GOVERNORS EXECUTIVE ORDERS AND/OR
BREAK IN LAND TITLES IN ILLEGAL COURTS ON THESE SOVEREIGN LANDS SHOULD
BE STOPPED AT ONCE BY THE PRESIDENT OF THE UNITED STATES OF AMERICA
GEORGE BUSH AND ALL RIGHTS AND DETERMINATION SHOULD BE IN FAVOR OF
SOVEREIGNTY AND THE RETURN OF ALL LANDS TO NATIVE KANAKA MAOLI CHIEF
AU PUNI OF THIS ERA.

OVERVIEW

OF
SOVEREIGN NATIVE KANAKA MAOLI CHIEF
FROM MOSIAH TO OPUU-KA-HONUA-TO-PUNI

AU PUNI

- 1 - MIGRATION LEADER OF (200 BC) (NAMED THESE ISLANDS NA MOKU PUNI)
 - 2 - PATRIARCH OF HIS PEOPLE WITH THE (GENEALOGY)
 - 3 - ADMINISTRATOR OF THE SOVEREIGN NATIVE KANAKA MAOLI LANDS OF THE POLYNESIAN TRIANGLE
- AU PUNI CHIEF OF THE ISLANDS OF NA MOKU PUNI BEFORE KAMEHAMEHA I
KAMEHAMEHA I TOOK THE LANDS BY FORCE WITH GUNS (CHANGE THE NAME TO NA
MOKU PUNI CALLED HAWAII)
- KING KAMEHAMEHA III RETURNED THE SOVEREIGN LANDS TO AU PUNI BY WRITTEN
DOCUMENT OR DEED, BY THE GREAT DIVISION OF LANDS OF 1848 CALLED THE
GREAT MAHELE OF 1848

AN OVERVIEW OF AU PUNI

AU PUNI A DESCENDANT OF OPUU KA HONUA, AU PUNI SETTLED ON THESE
ISLANDS ABOUT (200 BC) ONE HUNDRED AND FIFTY YEARS EARLIER THAN
HAWAII-LOA (64 BC) BY GENEALOGY AU PUNI IS NOT CONNECTED TO THE
HAWAII-LOA'S GENEALOGY THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU
PUNI IS THE PATRIARCH, GENEALOGY KEEPER AND ADMINISTRATOR OF THE
SOVEREIGN LANDS CALLED NA MOKU PUNI (THE ISLANDS OF PUNI) AS HE NAMED
THEM IN 200 BC, HE WAS THE FIRST NATIVE KANAKA MAOLI CHIEF TO MIGRATE
TO THE POLYNESIAN TRIANGLE.

THEREFORE THIS SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI IS THE
MAOLI THE INDIGENOUS, ABORIGINAL, GENUINE AND TRUE NATIVE OF NA MOKU
PUNI TODAY CALLED HAWAII.

AU PUNI HERELIN DECLARIES FOR THE RECORD, THAT THE UNITED STATES OF
AMERICA AND THE STATE OF HAWAII BY ITS PEOPLE, WITH BREAK IN LAND
TITLES AND NAMELY THE GOV. EX. ORDERS & PRESIDENT'S PROCLAMATION'S BY
PRESIDENT OF THE UNITED STATES, PRESIDENT GEORGE BUSH, UNITED STATES
SECRETARY OF THE INTERIOR MANUEL LUJAN, JR. WHO HAS APPELLATE POWERS
OR AUTHORITY OVER THE COMMISSION OF PATENTS AND HIS OFFICE IN THE
BUREAU OF CONVEYANCES OF THE STATE OF HAWAII, IN HONOLULU, OAHU.

BOTH ARE CO-CONSPIRATORS OF A CONSPIRACY TO COMMIT FRAUD AND TO
SWINDLE THE NATIVE SOVEREIGN LANDS AND ASSETS OF THE NATIVE KANAKA
MAOLI CHIEF.

THROUGH "FALSE PRETENCES" IS ATTEMPTING TO DEPRIVE HIM OF HIS RIGHTS
OF SOVEREIGNTY TOBE SECURE IN HIS PERSON AND PROPERTY.

FALSE PRETENSE, IN CRIMINAL LAW FALSE REPRESENTATION AND STATEMENTS
MADE WITH A FRAUDULENT DESIGN TO OBTAIN "MONEY GOODS, WARES, AND
MERCHANDISE," WITH AN INTENT TO CHEAT. 2 BOUVIER, INST. N. 2308

AU PUNI HERE IN CLAIMS THE RIGHTS TO ALL SOVEREIGN LANDS BY ESCHEAT,
THESE LANDS ARE UNDER USE BY THE UNITED STATES OF AMERICA, AS BOHAW
AIR BASE ON THE ISLAND OF KAUAI, AND OTHERS BY THE STATE OF HAWAII AND
ITS PEOPLE, THESE LANDS TO BE RETURNED TO THE NATIVE KANAKA MAOLI
CHIEF IN THE YEAR OF 1992 A.D. BY GENEALOGY CLAIM---

WR65 (cont.)

THESE ARE SOME OF THE SOVEREIGN LANDS OF THE ISLAND OF NA MOKU PUNI
CALLED KAUAI, WHICH ARE AFFECTED BY THE ACTIVITIES OF THE UNITED
STATES ARMY STRATEGIC TARGET SYSTEM AT BONHAM AIR BASE ON THE ISLAND
OF KAUAI AND SHOULD BE RETURNED IMMEDIATELY BY ITS ANCIENT NAMES AND
LAND MARK BOUNDARIES ENTIRELY
THE AHUPUA OF KIKIAOLA
THE ILL AINA OF PUU KA PELE
THE AHUPUA OF MAKAWELI
THE AHUPUA OF WAHIAWA THE AHUPUA OF KOLOA - HIK AND HEM.
THE AHUPUA OF HULEIA
THE AHUPUA OF WAIOLI
AND KA MOKU PUNI OF NIHAU
TRANSLATION - (THE ISLAND OF PUNI CALLED NIHAU)

AND THEREFORE BY MY GENEALOGY BY THE PUNI LINE OF MY GRANDFATHER
"PUNILEI" (1867 TO 1928 AD) THE AU PUNI AT THE TIME OF THE OVER THROW
OF 1883
FROM THE GOD OF KANE HOA LANI (ABRAHAM 1996 BC)

DESCENDANTS TO

KU NAWAO (ISHMAEL)

KA LANI MENEHUNE (ISAAC 1896 BC)

DESCENDANT TO

KINI LAU-A-MANO (JACOB 1836 BC) (KINIKAU)

DESCENDANT TO

KAHILI-KU (JOSEPH 1745 BC)

DESCENDANT TO

KAOKAO KALANI (MANESSEH - 1715 BC)

DESCENDANTS TO

ANIANI KU (LEHI - 660 BC)

DESCENDANT TO
ANTANI KA LANI (NEPHIL - 620 BC)
DESCENDANT TO
HOSTIAH (200 BC)
DESCENDANT TO
OPUU-KA-HONUA (200 BC)
DESCENDANT TO
PUNI-AU PUNI (200 BC)
DESCENDANT TO
PUNIPUUA-AU PUNI (1711 AD)
DESCENDANT TO
PUNIPUHI-AU PUNI (1784 AD)
DESCENDANT TO
KELIMAUALE-AU PUNI (1809 AD)
DESCENDANT TO
KELIMAUAOLE-AU PUNI (1828 AD)
DESCENDANT TO
PINEHAKA PUNILEI-AU PUNI (1905 AD)
DESCENDANT TO
JOSEPH PUNILEI MANINI-AU PUNI (1930 AD)
THE AU PUNI OF THIS ERA (1992 AD)

RELATION OF PUNILEI (END) 1919 TO 1928 HAWAIIAN TEMPLE

KANO (1057 AD) KAUAI
KAPULE (1079 AD) KAUAI
EWA (1097 AD) KAUAI
KAHELE (1117 AD) KAUAI
KAMALU (1137 AD) KAUAI
KAUOO (1151 AD) KAUAI

WALES (cont.)

PEKE	(1177 AD)	KAUAI
KEAKA	(1177 AD)	KAUAI
KALA	(1197 AD)	KAUAI
HAULE	(1217 AD)	KAUAI
DARNEY PILLULEI	(1217 AD)	KAUAI
KAOTHES	(1237 AD)	KAUAI
KALEIHULUMANU	(1237 AD)	KAUAI
KONA	(1257 AD)	KAUAI
NEE	(1277 AD)	KAUAI
HALOKEAO	(1277 AD)	KAUAI
MAII	(1297 AD)	KAUAI
KAMAKA	(1317 AD)	KAUAI
PILLWAHINE	(1317 AD)	KAUAI
KALAIKONA	(1337 AD)	KAUAI
OKII	(1351 AD)	KAUAI
ONUA	(1357 AD)	KAUAI
MANO	(1377 AD)	KAUAI
KAPAEHI	(1397 AD)	KAUAI
PUNIPUHA	(1711 AD)	MANA KAUAI
PUNIPUHI	(1784 AD)	KAUAI
KALUA PUA HIWA	(1784 AD)	KAUAI
G-SON NA WAAWAII KAPAIKI ABOUT 1806 AD KAUAI		
SON OF KELLIMAULE, KALUA PUA HIWA (1809) MAKAWELI		
(COUSIN) LUKA NIUAMA (1845 AD) MAKAWELI		
KAHALILII (1854 AD) HAWAII		
(NIECE) KAMEHAIIKI (1868 AD) HONUAKAHA OAHU		
KAUHANE, HANA (1882 AD) MAKAWELI		
(UNCLE) WAHINE KAPU (MAY 30, 1880) MAKAWELI		

BY MY GENEALOGY

I, JOSEPH PUNILEI MANINI THE PUNI OF THIS ERA OF 24 MARCH 1992 AND DO CLAIM FROM THE PRESIDENT OF THE UNITED STATES OF AMERICA PRESIDENT GEORGE BUSH AND FROM THE SECRETARY OF THE INTERIOR SECRETARY MANUEL LUJAN, JR. TO BE THE SOVEREIGN NATIVE KANAKA MAOLI CHIEF AU PUNI, OF THE SOVEREIGN KANAKA MAOLI KINGDOM BY MY GENEALOGY.

THEREFORE AS AU PUNI I CLAIM ALL OF MY SOVEREIGN, GUARANTEED OF RIGHTS PRIVILEGE, AND IMMUNITIES AS SPELLED OUT IN THE CONSTITUTION OF THE UNITED STATES OF AMERICA AND HERE IN DEMAND ALL OF MY RIGHTS, PRIVILEGES AND IMMUNITIES, SO SECURED TO HIS PERSON, INCLUDING THE PROTECTION OF COMMON LAW, AND THE LAW CALLED THE "COMPACT OF FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION, AN INTERNATIONAL LAW OF THE WORLD--

IN ADDITION AU PUNI "OBJECTS" AND "DENIES" ANY AND ALL PERSON FROM DEPRIVING AND/OR "ALIENATING" HIM FROM HIS CONSTITUTIONAL GUARANTEE OF RIGHTS SECURED TO HIM AS A NATIVE KANAKA MAOLI CHIEF AND PROTECTED BY A "COMPACT OF TRUST" WHERE BY THE UNITED STATES GOVERNMENT, HAS A "FIDUCIARY DUTY" TO PROTECT SAID RIGHTS AND THE COURT OF COMMON PLEAS HAS JURISDICTION OVER IT COM VS COMPTON 137 PA. 138, 20 ATL. 417.

THEREFORE ANY LAND TRANSACTION IN THESE ISLANDS THAT SHOW A "BREAK IN TITLE" CONSTITUTES FRAUD AND SKINDLE.

WHEREFORE NOTICE IS HEREBE IN GIVEN OF THE FILING OF A PARTICULAR COMMON

WR65 (cont)

LAW LIBN OF ATTACHMENT AND CAVEAT WITH MEMORANDUM OF LAW AND RECORDED
IN THE BUREAU OF CONVEYANCE IN HONOLULU, HAWAII IN LIBER 20882, PAGE
479, WHICH CONSTITUTES A "MIRANDA WARNING" TO ALL PERSONS ACTING
ILLEGALLY WITH THE INTENT OF FRAUD OR TREASON NOTICE IS GIVEN THAT YOU
WILL BE HELD PERSONALLY LIABLE

AN OBSTRUCTION OF THE COURSE OF DESCENT, AND A CONSEQUENT
DETERMINATION OF THE TENURE, BY SOME UNFORESEEN CONTINGENCY, IN WHICH
CASE THE LAND NATURALLY RESULTS BACK, BY A KIND OF REVERSION, TO THE
ORIGINAL, OR LORD OF THE FEE. 2 BLA. COM. 244 ET. SEQ.

IT IS A PROCEEDING AT LAW AND "NOT EQUITY" IN RE FENSTER MACHER VS
STATE, 19 OR. 504. 25 PAC. 14 AND THE COURT OF COMMON PLEAS HAS
JURISDICTION OVER IT, COM VS COMPTON 137 PA. 138, 20 A+1.417.

THE UNITED STATES CONSTITUTIONS AND THEIR POSITIVE LAWS PROTECT AND
GUARANTEE TO ALL SOVEREIGNS INALIENABLE AND VESTED RIGHTS.

AND THEREFORE THIS NEGOTIATION SHOULD TAKE PLACE ON THE ISLAND OF
KAUAI, STATE OF HAWAII IN NOT MORE THAN NINETY (90) WORKING DAYS AND
STARTING FROM THE 27TH DAY OF MARCH 1992 A.D.

THE NATIVE KANAKA MAOLI PEOPLE ARE CONSIDERED NON-SELF GOVERNING
PEOPLE AND AS SUCH, ARE ENTITLED TO USE A LAW CALLED THE "COMPACT OF
FREE ASSOCIATION" AS A FORMAT FOR NEGOTIATION.

WR65 (cont)

THIS ARRANGEMENT BY THE UNITED STATES SECRETARY OF THE INTERIOR, MR.
MANUEL LUJAN, JR. AND NATIVE KANAKA MAOLI CHIEF AU PUNI OF THIS ERA BY
GENEALOGY, MR. JOSEPH PUNILEI, MANTINE, P.O. BOX 201, MAKAWELI, HAWAII
96769 AND THE PHONE NUMBER IS 338-1538.

WHERE AS NEGOTIATION OF ALL LANDS OF NA MOKE PUNI CALLED HAWAII,
INCLUDING THE RIGHTS TO THE POLYNESIAN TRIANGLE, THE RIGHTS TO ALL
ASSETS OF THE KANAKA MAOLI KINGDOM, RENTS, TAXES, LAND USE PAYMENTS
FOR ALL PAST AND PRESENT LAND USE ETC., IN POSSESSION OF THIS RIGHTS.
IN CONCLUSION MY CONCERN WITH THE ACTIVITIES AT BONHAM AIR BASE AND
THE POLYNESIAN TRIANGLE IN REGARDS TO THE UNITED STATES OF AMERICA,
AND THE STRATEGIC TARGET SYSTEM AND THEIR WAR GAMES, ON THIS SOVEREIGN
LANDS AND SURROUNDING AREA SHOULD BE STOPPED AT ONCE.

I SEAL THIS PRESENTATION ON THIS 24TH DAY OF MARCH 1992 AD.
UA MAU KE EA O KA AINA I KA PONO (TRANSLATION-KANAKA TO ENGLISH)
PRESERVE AND ENDURE DEFINITE SOVEREIGN OF THIS LANDS AND TO DO IT
HUMBLY "ALOHA"
I THANK YOU FOR GIVING ME THE RIGHT TO TESTIFY AT THIS PUBLIC HEARING.

CC:

George Punilei Mantine Sr
P.O. Box 201
Makaweli, Hawaii 96769

To Henry Czerny,

I am writing to you in regards to the STARS program on Kauai. I am very much against the STARS program. My reasons are:

1. STARS is not safe.
 2. STARS is damaging to the environment.
 3. STARS costs too much money.
- First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scraped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of the Earth.

Digital Ink
STOP STARS!
Brigid McBride
P.O. Box 1476
Kapaa, HI 96746

April 2, 1992



STATE OF HAWAII

OFFICE OF HAWAIIAN AFFAIRS

711 Kapahulu Blvd. Suite 500
HONOLULU, HAWAII 96813-3249
PH: (808) 586-3777
FAX: (808) 586-3799

April 2, 1992

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801
Attention: CSSD-EN-V (D.R. Gallien)

Dear Sir:

Re: Draft Environmental Impact Statement for the Strategic Target System
(February 1992) U.S. Army SDC.
Pacific Missile Range Facility-Kauai Test Facility
Kauai, Hawaii, Waimea, Kaimana.

Thank you for the opportunity to review and comment on the Draft Environmental Impact Statement (DEIS) for the Strategic Target System, dated February 1992.

The Office of Hawaiian Affairs is concerned about the effect of this project on land use in the Mana area. Several hundred acres of Hawaiian Homes Trust land lie extremely close to the Pacific Missile Range Facility (PMRF). Historically, this federally-created but state-administered trust has lacked money and other resources to develop its land. Recently, renewed effort is being made to make Hawaiian Homes lands available to Native Hawaiian trust beneficiaries.

The safety hazard zone proposed for this project may affect the ability of DHHL to develop these lands as anticipated. The land use section of the DEIS does not address this issue. We believe that a discussion of the safety hazard zone and its potential impacts on the development of DHHL lands should be included in the final EIS.

The public property adjacent to PMRF is also a concern. This property is part of the public trust and is currently leased to Kekaha Sugar Company

Deputy Commander
U.S. Army Strategic Defense Command
April 2, 1992
Page 2

by the State of Hawaii's Department of Land and Natural Resources (DLNR). The DEIS proposes that safety measures include a Memorandum of Agreement (MOA) among PMRF, DLNR and Kekaha Sugar Company to allow PMRF security forces to keep the public and Kekaha Sugar Company personnel clear of the ground hazard area during each launch.

However, the lease between Kekaha Sugar and DLNR will expire before this project terminates. The conditions of the MOA will effectively restrict the use of this land to agriculture for a period longer than the length of the lease. This negative effect on land use options is not discussed in the DEIS but should be included in the final EIS.

The water supply for PMRF should be addressed. The lack of water in the Mana area has been an issue of concern for many years. It is our understanding that PMRF obtains its water from the Kekaha Sugar Company. If the lease to Kekaha Sugar Company is not renewed will there remain a supply of water for PMRF?

Guaranteed public access to the beach areas of PMRF was a condition of the transfer of the property to federal control. The DEIS at page ES-6 states that public access to beach areas at PMRF will be restricted for about 56 days a year. This appears to be in contradiction to the information contained in the Zest 1 & 2 Environmental Assessment published on May 28, 1991 which states "The beach closure days for this schedule is a maximum of 238 days per year." This contradiction should be clarified in the final EIS and the cumulative effect of launches on beach closure clearly detailed.

In addition, the DEIS details that "the maximum ESQD restriction denies the public access to only 7.4 percent (3,215 feet) of the 8 miles of available beach along PMRF and only 2 percent of the 22 miles of available public beach in western Kauai." It should be remembered that beach activities are the primary recreational activity of both the general public and the tourist population of Kauai. The 22 miles of public beach along Kauai's western coast is small compared to the public and commercial demand for beach related activities.

Therefore, the restriction of even 2 percent of the beach is significant and the socio-economic consequences of the additional demand on other beach areas should be discussed.

The proposed mitigation concerning the endangered adder's tongue fern (Ophioglossum concinnum) is also of concern to OHA. On pages 4-30 of the

WR67 (cont.)

Deputy Commander
U.S. Army Strategic Defense Command
April 2, 1992
Page 3

DEIS it is proposed that mitigation would include transplanting the fern to suitable habitat elsewhere within PMRF.

We strongly disagree that the transplanting of endangered species is acceptable mitigation.

First, there is the question of whether or not the plant can withstand the shock of transplanting. Second, even if the plant is able to survive, the habitat from which it has been removed has been artificially and perhaps irreversibly altered.

The concept of protecting endangered species has a wider focus than the single individual plant. Preserving the habitat is equally important if our aim is to keep these plants viable for future generations.

Artificially, restricting endangered species to a few areas, threatens their ability to adapt and evolve as part of the natural process.

Finally, we are concerned with the cumulative effect of the hydrogen sulfide emissions on stratospheric ozone. The DEIS offers no mitigation for hydrogen sulfide emissions, stating on page 4-21 that "programmatic stratospheric chlorine contributions over an 11-year period would not accumulate above approximately 0.0001 percent of the total global ozone loss. However, this 0.0001 percent represents an increase to ozone depletion, at a time when there is a worldwide effort to reduce the amount of ozone depletion in the stratosphere."

A story in the February 17, 1992 issue of Time magazine "The Ozone Vanishes" states that the Montreal Protocol, which was created in 1987, called for a 50 percent reduction in chlorofluorocarbon (CFC) production by 1999. By 1990, the delegates were so alarmed by the rate of depletion that they agreed to a total phaseout of CFCs by the year 2000.

Although hydrogen sulfide emissions may not be considered CFCs, they unquestionably contribute to ozone depletion. Since the focus of this issue is the depletion of global ozone, we urge a more comprehensive discussion of this effect and the inclusion of mitigative measures in the final EIS.

Sincerely,

Richard K. Pedersen
RICHARD K. PEDERSEN
Administrator

cc: Clayton Hee, Chairperson
OHA Board of Trustees

1
Deputy Commander, U.S.A.
CSSD-FM-V (D. R. Gallien)
P.O. Box 1500
Huntsville, AL 35087-3807

Dear Sir:

I am not wishing anyone to come over here and bomb us, but I don't want to sit here and do nothing.

So please get the STARS program going as soon as possible. I believe it would be a lot safer if the service people would practise enough with it that they wouldn't have to worry about whether it will work or not. It would be awful if we shot one off and it didn't work.

Chloe Ellenburg

Chloe Ellenburg, Secretary/treasurer
American Legion Auxiliary
Unit #2
Maasrican Legion Auxiliary, Hawaii

6

7

8

WPA 69

1

KENNETH A. MILSON
P.O. BOX 86
KAPAA, HAWAII 96744

Deputy Commander
U.S. Army Strategic Defense Command
OSSN-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sir, I am writing in opposition to the proposed SDI missile launches on the island of Kauai. Our island is not like the desert of Nevada. Although it is by no means an "urban" center there are still tens of thousands of "real" people inhabiting it. And even if the lives of these people are not important enough to be protected from potential "accidents", the unique and majestic beauty of Kauai's land is truly worth a serious attempt at preservation and respectful treatment. We are already going through numerous other trials, in regard to the development and proper evolution of civilization on this tiny mass of land. To think that it would even be "remotely" possible that one of these missiles might veer off-course and come down smack in the middle of the island is a nightmare that no one wishes to face. I don't know if you've ever visited Kauai or not, but if you have, you must understand that it is a very special piece of this planet.

I sincerely hope the powers that be come to the conclusion that this proposed project has been mistakenly designated for implementation on Kauai and that the process can be reversed before it's too late for my neighbors and I.

SINCERELY YOURS. *R. M. W. Johnson*

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Strategic Target System

Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

2-81

YES...MORE ON STRATEGIC TARGET SYSTEM!

This statement needs your attention. Yes, YOU! Have you ever considered what the environmental impact would be on the ecology of Kauai if a nuclear bomb were to be exploded over Kauai? You don't think that will ever happen, do you.

Has it ever occurred to you that a long/medium-range ballistic nuclear-tipped missile could accidentally be launched, either from U.S. soil or from foreign soil; or from a submarine? Sure, we're at peace now, and all the missile in their launch tubes are presumably at sleep. Well, Murphy's law says that: "If something could go wrong (usually meaning something really bad), it most certainly will!" That is not very comforting, if Murphy decides it's possible to accidentally launch a sleeping nuclear missile.

Now, once that missile has been launched, there is virtually no way it can be stopped. So, what if it were targeted for, say, Pearl Harbor and Hickam Air Force Base? If it had multiple warheads, one of them could well be aimed at PMRFI BANG! . . . there goes Kauai's ecology, not to mention lots of folks! Now this nuclear explosion is what I call "macro -ecological impact."

On the other hand, we currently have some people spending a lot of time thinking and talking about the possible "micro-ecological impact" that could be caused by some very much needed high-technology Research and Development. What am I driving at? I'm saying that this R & D is of vital interest to all of us for future protection against the Murphy's that are lurking out there. The magnitude of the environmental impact at PMRFI, of a measty count of four test launches a year for ten years is absolutely minuscule compared with one nuclear detonation, anywhere in the world. The nuclear fallout is a global macro-ecological impact.

If you don't think that accident-prone Murphy is of concern, then think about the current instability of the sovereign states of the former Soviet Union. Until we have all disassembled our ICBMs worldwide and as long as there are still thousands of these devices capable of knee-jerk launching with devastating consequences, we damn well better get on with our R&D homework.

Come on, folks, let's support a good cause. I love Kauai just like you do. I was born and grew up in Waimea Town and we had our picnics at Nohili Dunes too. Just as we supported the troops at Barking Sands during World War II, our Company continues to supports this cause as well.

I don't want to ever be in the angelic position of saying "I told you so" if and when we were to have that big Murphy BANG over Kauai because we didn't do our homework. I don't believe you would want that either. (By the way . . . no offense to anyone with the name Murphy.)

Mahalo for your support too,

Alan E. Faye Jr.
Alan E. Faye, Jr., Vice-President
Kikiaola Land Co., Ltd.

CC : Senator Daniel Inouye
The Garden Island newspaper

NATIVE HAWAIIAN ADVISORY COUNCIL

A Nonprofit Corporation
1088 Bishop Street, Suite 1204 Honolulu, Hawaii 96813
Telephone (808) 523-1445
Facsimile (808) 599-4380



1992 April 9

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallion)
P.O. Box 1500
Huntsville, Alabama 35807-23801

RE: Draft EIS for the Strategic Target System Program at the Kauai Test Facility on the Pacific Missile Range Facility

COMMENTS ON DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM

1. Cumulative Impact

The proposed action would just be the latest in a long string of actions which demonstrate mismanagement of Hawaiian lands and disrespect for Hawaiian rights in west Kauai. The DEIS fails to address the cumulative impacts of land alienation and abuse which would be aggravated by the proposed project.

The DEIS fails to recognize the ceded lands status of portions of the Pacific Missile Range and adjacent state lands. In conjunction with the Hawaiian Home Lands at Kekaha, these ceded lands are the foundation of Hawaiian land and natural resource entitlements in west Kauai. Their future as centers of Hawaiian efforts would be impacted by the proposed project, but these impacts are not identified or discussed in the DEIS.

EXAMPLES OF CURRENT IMPACTS

A. According to state agency reports, 14,558 acres of Hawaiian Home Lands at Kekaha are leased for \$ 55,209/year. An adjacent 13,167 acres of ceded lands is leased for \$ 358,591/year (GL S-422). Why are the ceded lands leased for over six times the rent of Hawaiian Home Lands? Could it be because most of the ceded land revenues go to statewide programs, whereas Hawaiian Home Lands revenues only go to Hawaiians?

B. These leases include rights to use water harvested by the Kokee, Kekaha, and Waimea ditch systems. This makes the water unavailable for supporting homesteading and other Hawaiian initiatives on Hawaiian Home Lands and for supporting kuleana lands and state lands in Waimea.

WR71 (cont.)

C. The U.S. Navy does not pay any rent for leases of 248 acres of suspected ceded lands at Mana and Waimea [GL (D) S-4596, 4597, 3952].

D. The U.S. Army does not pay any rent for lease of 8.45 acres of suspected ceded lands at Kokee [GL (D) S-3937].

E. The US Navy leases 23 acres of suspected ceded lands at the Pacific Missile Range.

F. The remainder of the PMR operates on suspected ceded lands withdrawn from territorial control by Presidential executive order. The state has never been compensated for federal use of these lands.

G. The Hawaii Water Plan states that the Kekaha Aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress inflicted on the aquifer by overpumping.

Henry F. Cooper, Director
Strategic Defense Initiative Organization
CSD-IN-V
P.O. Box 1500
Huntsville, Alabama 35807-3801

10 April 1992

Do not test the Star's program in Kauai. Firing missiles from the Pacific Missile Firing Range violates the three valuable qualities of life in Kauai.

1. Endangered marine mammals are gradually returning to their natural environments around Kauai. The numbers of the endangered green sea turtle, the Hawaiian monk seal and the humpback whale living in the waters and beaches of Kauai have increased slowly since the marine mammal protection act was passed during the 1970's. The seals and whales choose Kauai's waters to mate and bear their young. The Army's plan to fire 40 missiles during the next ten years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable in shark attack, and their populations will decline. We all have a responsibility to preserve these remaining endangered animals for future generations of people to study and appreciate.

2. Native Hawaiians consider the lands occupied by the Pacific Missile Firing Range, and adjacent to it to be sacred burial grounds. The firing of missiles violates the respect and honor that is owed to this land. The waste materials that would be released into the air, water and earth from the missile launching demeans this land that is cherished by native peoples.

3. Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world choose to come to Kauai for the unspoiled beauty of its beaches, verdant valleys, dramatic coastline, abundant marine life and quiet lifestyle. Launching 40 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials/fuels on the roads, on boats and on Kauai's airports could result in an catastrophe (like the Exxon Valdez, or the misfired missile that exploded in its silo in Arkansas recently). Launching missiles will drive tourists away and ruin Kauai's economy.

Thank you for your attention. Sincerely,

Helen M. Meli

Helen M. Meli
1675-2 Makauui Rd.
Koloa, HI 96756

cc: Major John Yukimura
Senator Daniel Inouye
Senator Daniel Akaka
Representative Patric Nink
Representative Neil Abercrombie
Editor, Kauai Times

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2



KAUAI GUARDIANS

Education/Research

April 4, 1992

Mr. Randy Gallien, Chairman
Strategic Target System Environmental Impact Statement Team
U.S. Army Strategic Defense Command, CSSD-EN-V
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft Environmental Impact Statement For
The Strategic Target System

Dear Mr. Gallien:

We have carefully reviewed the DEIS for the Strategic Target System and find that Section 2.3 (alternatives eliminated from further consideration) is not credible.

There is no reference found anywhere in the DEIS which we can associate to Section 2.3 of the DEIS. In this section there are statements and conclusions of International Law. The Anti-Ballistic Missile Treaty (ABM) and START are part of International Law. Who wrote Section 2.3 of the DEIS?

I spoke with Mr. Matt Nichols, the Army's Treaty Advisor. I asked him if he was a U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERT. His reply was no. He said his degree is in engineering and he provides technical information for the STARS program. Did Mr. Matt Nichols write Section 2.3 of the DEIS?

Would you agree with me, that legal considerations regarding the STARS program and the SDI, would be acceptable to the people of Kauai...if U.S. COURT RECOGNIZED INTERNATIONAL LAW EXPERTS prepared a LEGAL ANALYSIS that could be included in the final EIS? SECTION 2.3 OF THE DEIS...NEEDS TO BE QUALIFIED IF YOU EXPECT US TO BELIEVE IT.

The following list, should you choose to research, would be very helpful to you for legal information regarding the STARS program and the Strategic Defense Initiative.

- * The Lawyers Committee On Nuclear Policy, Inc., 666 Broadway,
Suite 610, New York, N.Y. 10012 Tele (212) 674-6199

Mr. Randy Gallien, Chairman
DEIS Team
April 4, 1992

- * Professor Ann Fagan Ginger, P.O. Box 673, Berkeley, CA 94704
Tele (415) 848-0599, FAX (415) 848-6008 (Professor Ginger
is a U.S. Court recognized International Law expert)
 - * Professor Abram Chaves, Harvard Law School
 - * Professor Martin Feinrider, Nova University Law Center,
Fort Lauderdale, Florida
 - * Chayes, Chayes & Spitzer, Space Weapons: The Legal Context,
114, Naedalus 1983 (1985)
 - * The Strategic Defense Initiative And International Law,
professor Martin Feinrider (Legal Analysis)
 - * Arthur S. Miller, co-editor with Professor Martin Feinrider,
Nuclear Weapons and Law (Greenwood Press)
- All of the above list of names are highly qualified to provide you with accurate, truthful, legal information regarding the SDI and it's component STARS program.
- Now we would like to bring your attention to the argument put forth stating that the STARS program is "research" and therefore unrestricted by the ABM Treaty. We agree. The STARS program is research.
- However, to the U.S. Government - at least according to the 1985 Arms Control Impact Statement (98th Congress, 2nd Session 294 (1984) and the U.S. Ambassador Gerard Smith's Statement to the Senate Armed Services Committee, July 18, 1972) THE ABM TREATY ALLOWS RESEARCH OCCURRING IN THE LABORATORY AND PROHIBITS DEVELOPMENT AND TESTING OCCURRING AT LATER STAGES OF WORK WHEN "FIELD-TESTING IS INITIATED ON EITHER A BROAD-BOARD MODEL OR A PROTOTYPE".
- We assume that you have text copy of the ABM Treaty (23 U.S.T. 3434, T.I.A.S. No. 7503). Do you have text copy of the Agreed Statements, Common Understandings, and unilateral Statements Regarding the ABM Treaty?



Mr. Randy Gallien, Chairman
DEIS Team
April 4, 1992

In order to understand the ABM Treaty - this part is essential.

According to the Unilateral Statements Regarding The ABM Treaty - on April 7, 1972, the U.S. Delegation said that...TESTING OF NON-ABM COMPONENTS FOR ABM PURPOSES...IS PROHIBITED.

According to the U.S. Army Strategic Defense Command's description of the STARS program that appears in the DEIS and other information provided by Sandia National Laboratories...IT STRONGLY APPEARS THAT THE STARS PROGRAM IS TESTING OF NON-ABM COMPONENTS FOR ABM PURPOSES... But only a United States Court of Law could confirm or deny that - wouldn't you say?

Other relevant International Law which would apply to the SDI and to which U.S. has a legal obligation - is the Outer Space Treaty (18 U.S.T. 2410, T.I.A.S. No.6347, 610 U.N.T.S. 205). The multilateral law governing anti-ballistic missile defense systems is from the Outer Space Treaty. The U.S. is obligated to restrict itself to PEACEFUL USES OF SPACE. The family of nations has reserved outer space for peaceful purposes - NOT FOR USE TO MILITARY ADVANTAGE. Obligations emanating from the multilateral Outer Space Treaty alone...could well determine the LEGALITY of SDI. The "Brilliant Pebbles" space-based interceptor missile system...HARDLY QUALIFIES AS "PEACEFUL".

In closing this communication - we would prefer that the Army Strategic Defense Command, volunteers to INCLUDE A "REAL" LEGAL ANALYSIS OF THE STARS PROGRAM IN THE FINAL EIS. We prefer not to seek a court order that would mandate you to do so. We also prefer not to engage in a massive demonstration, that quite possibly would be the largest protest in modern history of Kauai.

One final comment. In 1988, President George Bush said: "We should abide by the ABM Treaty - and so should the Soviets". I agree with Mr. Bush on that. Do You?

Would you support SDI and STARS if they were illegal? If there are any questions, I can be contacted at: (808) 822-7787

Sincerely,

Robert Mackowski

Robert Mackowski
President

cc: Garden Island Newspaper, Kauai Times Newspaper, Senator Inouye, Senator Reed, Mayor Yukimura, Lawyers Committee On Nuclear Policy, Professor Ann Fagan Ginger

TO THE U.S.ARMY AND S.D.I.

APRIL 4TH, 1992

You have enslaved the land and continue to grievously wrong a generous and graceful people.

You usurp and occupy our sacred ground, despoiling it with strategic schematics of destruction, tendering no reparation or rent - now you threaten to extinguish us completely, by exposing us to catastrophic result while dismissing and denouncing as unpatriotic those who would oppose your games of war and weaponry.

The boorish taunts and jeers of your pawns and minions sizzle like acid rain defiling fertile sensibilities.

I have heard the cacophonous howl of your war dogs, felt their hot coarse fetid breath against my cheek, and am sickened by the stench of their festering putrid sores rendering foul our gentle breeze. I shiver with the desire for your departure, to see our land cleansed of you and restored to the people.

Make this not your lair, leave go these horrendous designs of deadly consequence and doom - we are not your Dachau and desire not your rank dollars of deceit.

Repariate our lands, restore our indigenous people, the Kanaka maole, divest your hold upon us and leave go your exploitative occupation of a sovereign nation held wrongfully in bondage and thralldom.

Kalanikumai kumaka na ali'i hanohano.

witness my hand:

Robert Mackowski

Robert Mackowski
President

Kalanikumai kumaka na ali'i hanohano
C. e. Schimmelfennig III

aka: c. e. schimmelfennig III

U.S. ARMY E.I.S.
S.D.I. AT PMRF

March 24th, 1992
TEXT OF CITIZEN STATEMENT

I am known as Zacheriah Branch Harmony. I am a keike o ka aina, a part-hawaiian child of the land, born Charles Edwin Kalanikumai Ku`umaka na ali`i hanohano Schimmelfennig III. I returned home to Kaua`i three years ago after 28 years a wayfarer in the Americas. I have learned about war and killing. I have worked well at many jobs and have educated myself in the ways of the world. I believe in and support self-determination.

My father and grandfather also were veterans. My grandfather, Carl Makauleili o Kalanikumai hanohano Schimmelfennig, was the great-grandson of Nakape`ahu Kalipoloohilani, whose grandfather was Kailipoloahiani. My grandmother, Elizabeth Brandt Schimmelfennig, was the granddaughter of Isaac Kapuni`ai Hart, whose mother was Kahemanui.

My piko is planted in this land, at Koloa Landing, at my families former taro patch. I can count many of Kaua`i's o`hana as my relatives, and all of Kaua`i as neighbors.

I pray consideration and support be given those who oppose the strategic target system and any launches from Kaua`i. Their fears have not been calmed, they are not appeased, their doubts cannot be silenced with ridicule or shouts. There is too much at risk.

There are those here, who have a moral certainty, that the effects and hazards of the tests can and would, be catastrophic- endangering our precious small, fragile and unique habitat. There are many topics of concern, types of environmental issues, ozone depletion, air, water, life systems threatened, whales, airborne toxins, historical sites, uses of the land, neighbors - even the ownership of the land, 99 years since the illegal overthrow of a sovereign government, to say nothing of the consequences of human error.

Many of these voices represent groups, working hard in a last ditch struggle to defeat and prevent a catastrophe. They have considerations and opinions prepared with great reason and logic, or the risks - yet another viewpoint that you are hearing tonight and tomorrow, cannot be readily described in a logical, empirical, rational and linear mode of thinking, because it is visceral, "gut level", intuitive, and not epistemologically definable by western standards. The military complex is built on a systematized, mechanistic exploitation of resources.

Yet it is the way of our aina to caretake and nurture the resources, to replenish the land as it nurtures, replenishes and takes care of us. "Gut level" feelings, to us keike o ka aina, is the na`ao, our intestines, where our feelings are. Hawaiians are big on "gut level" feelings, they listen to them. That is why the hawaiian word for enlightenment is na`au ao, and ignorance is na`au po.

"Gut level" - these SDI plans are not consistent with the living spirit of this land- they can destroy this land. Respect the traditions, respect these feelings, bring no strategic tests here.

I beg you to release the people of the Marshall Islands, give them back their land, their self-determination, their destiny. Restore them and bomb them no more. Bring no SII tests here- say No action as the alternative to Star Wars!

Mahalo... "Ua Mau Ke Ea O Ka `Ulu Ma`oli Pono He Life breath of the land will be restored when control is returned to Kanaka ma`oli, the rightful heirs".

Kalanikumai Kumake na ali`i hanohano,
aka: Zacheriah Branch Harmony

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

PMRT has been employing nuclear weapons without war heads, rockets, and will continue to. To use unengaged scare tactics to generate support is an insult to the people of Hawaii.

The war makers have trashed the Persian Gulf, trashed so many beautiful ecosystems around the world. This must stop. Do not drag your war machines to our peaceful island. The Islands of the Pacific have suffered long enough. For deliberate missile progress STOP.

Name Tosh Addison

Address P.O. Box 1481 Honolulu, HI 96714

Street Address _____ City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

My name is Leslie Steinwachs. As a Louis Rizard, Educator, citizen of my community, I am here for the people of Hawaii to come from a higher vision to join together to preserve our planet - Hawaii is one of the few places that still has clean air and water. The ashken spirit must not be transferred with. I urge, please whatever it takes to NOT launch these missiles on this sacred land.

It is not a matter of losing jobs at the RF creative solutions take care of that. That did too many other ~~jobs~~ and ~~not~~ do not launch the missiles.

Name Leslie Steinwachs

Address P.O. Box 1481 Honolulu, HI 96754

Street Address _____ City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR78

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

missle launching from the Island of Kauai is the most inane joke I have heard yet! You can't be serious. Why ruin such a perfect example of pristine beauty with such sickening pollution. Don't you know, LOVE IS THE ANSWER.

Please please please no bombs/rockets/deadly poisons near my home, which is the planet Earth. Thank you.

Name Rose Wren
Address P.O. BOX 1655 HANALEI HI 96714
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR77

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target system.

I oppose the basing of the STHS launch base on Kauai, Hawaii. In particular I am concerned that the military role on Kauai is being expanded. Increasing military activities on Kauai will tarnish the image of Kauai as the Garden Island.

Name FRED SWOPE Fred Swope
Address 3473 LAWAIA COA L.N., KOLINA, HI
City/State/Zip Code 96756

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WR82

WR81

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Deputy Commander, U.S. Army

Strategic Defense Command

Huntsville, Alabama

April 7, 1992

Attention: CSSD-EN-V

Aloha D.R. Gallien,

As a resident of Kauai, I am writing to you to express my opposition to the implementation of any SDI or 'Star Wars' missile testing on this island. It is simply inappropriate to the character and ambience which this island represents in the hearts of people all over the world; beauty, harmony and essentially, and especially—peace.

At a time when we are dominating billions of aid to our once former enemy who seemed to necessitate such a defense program, this program seems to be of the past. Its purpose gone, its remaining momentum must therefore only be of value to those who have a vested personal (rather than national or global) interest in its implementation; those businesses which would prosper greatly from selling the equipment required, and those military personnel who believe their personal employment security lies in the continuation of war preparations.

The paradigm has shifted. There are a growing number of us who understand that when one focuses on the need for war, then wars will be manufactured. With the same principle of what you focus on is created in experience, many of us are now choosing to focus on peaceful ways of getting along on this planet. If we plan for peace, it is my belief that ways to maintain peace will be found.

Thank you for your time in reading this letter.

Sincerely,

Linda Carpenter
Mrs. Linda Carpenter

P.O. Box 3437
Princetown, Kauai 96722

Name GERTA KORTE
Address 379 ILALO PL. KAPAA HI 96746
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Finn and Linda C. Carpenter
P.O. Box 3437 • Princetown, Kauai 96722 • (808) 826-9194

WRB3

WRB3 (cont.)

Name: Wallace M. Kawane

Address: P.O. Box 170

Kalaheo, HI 96741

Telephone: (808) 332-8885

DOB: June 18, 1940

Occupation: Teacher/Administrator--Dept. of Education

Length of Service: 28 yrs.

Educational Background: BSE, KSTC 1962; MSE, KSTC 1966

I was born and raised on Kauai. Besides the experience gained with the U.S. Army, Y.M.C.A. of Kauai, and the DOE, I also had the opportunity of working for the Dept. of Land and Natural Resources as Camp Director for the Youth Conservation Corps for four summers and also to be trained at Asslomar which is located at Monterey, CA.

Since the 1960's, when the PMRF and its various agencies, and activities appeared on Kauai, there have been no adverse effects to Kauai's environment. The PMRF should be commended for its efforts at keeping the entire part of Kauai under their control in the condition it's in.

The bird sanctuary located adjacent to PMRF's facilities, which was built by the DLNR, shows no ill effects from activities conducted by the PMRF. However the same cannot be said of the activities being conducted by private enterprises on the North Shore (Especially). Leptospirosis and hepatitis warnings seem to be the standard for any of the fresh water environment in that part of the island.

I recall the sense of elation my family and I felt when the Patriot Missile proved itself in combat against the SCUD. What would have been the outcome of the Gulf War if weapons like the Patriot "Smart Bombs" were not in existence?

There was saying I learned while in the Army, "For those who have never fought for it, life has a flavor the protected will never know."

And yet, I noted one day, a bumper sticker that read, "No Rockets."

Why not, "No commercial boating in the Hanalei River, No commercial windsurfing at Anini beach, No Commercial kayaking at Polihale, and No commercial tours into Mohihi?"

It is not programs like the proposed SDI that threatens our island, it's the people on the island. If all the development had been stopped in the 1960's Kauai would not have the traffic problem that exists today. Same goes for the boating problems, and the other negative impact of activities on the North Shore.

In conclusion I approve of the SDI project and the activities of the PMRF. I also applaud their efforts at trying to be a vital part of our island economically, socially, and environmentally. I am sufficiently satisfied that the Draft EIS provides the assurances that our island is safe from the hazards brought to light by various activist organizations and individuals on Kauai.

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10 APRIL 1992
 KACO, KAUAI, HAWAII

DEPUTY COMMANDER U.S.A.
 CSSD - ENV (D.R. GALLIEN)
 P.O. BOX 1500
 HUNTSVILLE, AL 35087 - 3801

RE: STAR WARS I AM FOR THIS PROJECT

FIRST, IN ORDER FOR THE UNITED STATES TO REMAIN FREE AND TO PURSUE IT'S GOALS IN THESE TROUBLED TIMES, IT MUST HAVE AT IT'S IMMEDIATE DISPOSAL A STRONG INTEGRATED MILITARY FORCE EQUIPPED WITH THE MOST MODERN AND UP TO DATE MILITARY HARDWARE WITH WHICH TO ACCOMPLISH IT'S MISSION OF DEFENDING THESE UNITED STATES. THE STAR WARS PROGRAM, WITH IT'S SOVIET TECHNOLOGY AND EQUIPMENT, IS A STEP IN THAT DIRECTION.

WHILE RUSSIA IS NO LONGER A MILITARY THREAT, THE SEVERAL BREAKAWAY COUNTRIES WITHIN THE SOVIET REPUBLIC, SOME ARMED WITH MILITARY NUCLEAR HARDWARE THAT ONCE BELONGED TO THE SOVIET UNION, ARE A THREAT TO WORLD PEACE. THEREFORE, SOPHISTICATED WEAPONS SYSTEMS, SUCH AS STAR WARS, ARE NECESSARY TOWARDS KEEPING AMERICA STRONG AND FREE IN THE YEARS THAT ARE AHEAD.

SECONDLY, ON A MORE PERSONAL NOTE, THE STAR WARS PROGRAM AT PHRF MEANS EMPLOYMENT FOR MANY RESIDENTS OF KAUAI. KILL THE STAR WARS PROGRAM AND YOU WILL INVITE A LOT OF UNEMPLOYMENT FOR ALL TOO PRECIOUS JOBS WHICH PHRF PROVIDES THE MANY PEOPLE OF KAUAI. IF THE ISSUE IS THE POSSIBLE THREAT TO THE ENVIRONMENT, ONE SHOULD REMEMBER THAT IF WE LOSE THE NEXT WAR BECAUSE WE DID NOT HAVE THE RIGHT EQUIPMENT, THE ENVIRONMENT ON KAUAI WOULD HAVE VERY LITTLE MEANING AS WE WOULD NOT BE AROUND TO ENJOY IT. SO, IT'S BETTER TO "BITE THE BUCKET" NOW, RATHER THAN LET AN ENEMY TAKE THIS LAND AWAY FROM US BECAUSE WE LOST A WAR - WHERE STAR WARS MIGHT HAVE MADE A DIFFERENCE.

PHRF = PACIFIC MISSILE RANGE FACILITY. BACKING SAYS
 KEKAAKA, KAUAI, HAWAII 96752 - 0128

Wm. D. Basinger

Wm. D. Basinger
 AMERICAN REGION AUXILIARY
 HI - KAUAI - UNIT 2
 343-D Main Rd.
 KACO, HI 96752

NANI ROGERS
4702 MAILIHUNA ROAD
KAPAA, KAUAI, HAWAII
96746

My name is Nani Rogers and I am a Kanaka maoli. Kauai is the only place I can call home. I was raised to respect and to believe in the American way, and to do whatever they tell us to do. Well, I am sorry to say that after 52 years, I have finally opened my eyes to the truth. It's all a big farce. The U.S. government and military will do what ever they feel like doing, with no consideration for people of the nation. I no longer trust and respect our government.

I want to be logged in the records that will be tallied for a count of people for and against as totally NOT for rocket testing on Kauai. Please for once, do not turn a deaf ear to our concerns, we are not ignorant to your ways, in fact, we're used to it, you've made us this way. You've been deaf to our needs and concerns ever since you overthrew our government of Hawaii and put our Queen in jail almost one hundred years ago. When are you finally going to ADMIT your BREACH OF TRUST and APOLOGIZE to our Hawaiian people?

There are many valid and sensible reasons, as evidenced in previous testimonies tonight, that this Draft EIS is "EMPTY PROMISES OF SAFETY". You have complied to do this to make yourselves look like you really care, but it's just a ploy to fool the people. You still have every intention to go on with the program. All you people with yellow shirts, when are you going to get the message right? Your jobs are not in jeopardy, just maybe your island? or maybe your lives and lives of your children? If you think the military would never do anything to harm you or your family, then you better take a good look at the native people, our Polynesian cousins that live on Ebeye Island. The military Stars program did that to them or what about the US Marines that arrested our Queen Liliuokalani and took our sovereignty from us. Wake up people, your family is in worse jeopardy than lost jobs.

Page 2 - Nani Rogers' testimony
STAR'S hearing

WR87 (cont.)

STAR'S is something not in harmony with our island life. It is not "Pono", in perfect order. Without "Pono" our land cannot be perpetuated in righteousness as stated in our Hawaiian Motto, "UA MAU KE EA O KA AINA I KA PONO." (The life of the land is perpetuated in righteousness.) Therefore, I will not beg, I will not ask, but I will demand that no further moves be made towards rocket testing on Kauai until all environmental issues are better reviewed, the Hawaiian lands issues are scrutinized and addressed and the people of PMRF be told the truth about their jobs, and the people of the Marshall Islands and Nihihau be told that no rockets will not be aimed towards them. Believe me, we are NOT against PMRF, we value their work and their support to the people on the westside of the island. I speak in the name of PEACE. I truly believe it has to start somewhere, sometime so why not here on Kauai and why not NOW.

JUSTICE FOR THE HAWAIIAN PEOPLE!!!!!!

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WR87 (cont.)

**KA LAHUI HAWAII
LEGISLATIVE RESOLUTION**

November 8-11, 1991, Maui Session

Submitted by: Kaua'i Land Committee

**TITLE: A RESOLUTION RELATING TO THE STAR ROCKETS
TESTING ON HAWAIIAN HOME LANDS, LOCATED AT
MĀNA, KAUAI**

Whereas: This rocket facility uses Hawaiian Home Lands without due compensation for use of these lands; and

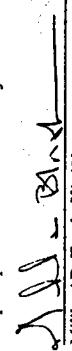
Whereas: There is a concern about environmental degradation due to rocket launches and injury to natural resources and life forms;

THEREFORE BE IT RESOLVED THAT:

Ka Lahui Hawai'i opposes and bans this activity throughout the entire Hawaiian archipelago.

Certification.

This is to certify that the above resolution was adopted pursuant to the authority vested in the Legislature.


Millani B. Trask, Kia 'Āina
Ka Lahui Hawai'i

JAN 11 1992
Date

Resolution #91-11-2

WR88

**STICHTING GREENPEACE COUNCIL
GREENPEACE international**

Kortenaergracht 176
1016 DW Amsterdam
The Netherlands
Telephone (+31) 20 5236555
Fax (+31) 20 5236500
Telex 18775 GPINT NL

Date: April 9, 1992

To: Deputy Commander
US Army Strategic Defense Command
Attn: D.R. Gallien, CSSD-EN
P.O. Box 1500
Huntsville, AL 35807-3801

Fr: Martin Götje
Greenpeace Pacific Campaign
Private Bag, Wellesley Street PO
Auckland, New Zealand
Ph. 64-9-776128 Fax 64-9-3032676

Re: Public Comment for draft EIS of the Strategic Target System (STARS)

STARS IS OBSOLETE

The Greenpeace Pacific Campaign is firmly opposed to the proposed STARS launches from Kauai.

Without an enemy there is no need for imaginary war scenario's like SDI and GPALS and the development of exotic weapon systems like Brilliant Pebbles, GB1, THAAD, ERINT, E21, ERIS, GBR and Brilliant Eyes, for which STARS is the target.

Since no third world ballistic missiles can presently reach the US continent and targets between superpowers don't exist anymore, there is no military reason for STARS launches and the environmental damage, however small, especially to the atmosphere is unacceptable.

WHO IS THE ENEMY

The proliferation of nuclear weapons and missiles to the third world will not be stopped by the continued development of missile defense and further refinement of offensive weapons.

STARS, the Strategic Target System, simulates an offensive missile force from an undefined enemy.

Who is the enemy?

Who will push the button to launch the real STARS?

GREENPEACE COUNCIL ARGENTINA, AUSTRALIA, AUSTRIA, BELGIUM, CROATIA, CYPRUS, DENMARK, FINLAND, FRANCE, GERMANY, GREECE, HUNGARY, IRELAND, ITALY, LATVIA, LITHUANIA, MONTENEGRO, NETHERLANDS, NEW ZEALAND, NORWAY, SPAIN, SWEDEN, SWITZERLAND, UNITED KINGDOM, UNITED STATES OF AMERICA, WEST GERMANY, AND YUGOSLAVIA.

INSENSITIVE TOWARDS PACIFIC CULTURE

1 It is culturally inappropriate to launch from Nohili Dunes, which is the most sacred spot on Kauai for native Hawaiians and compares in cultural sensitivity with launches from the National cemetery in Arlington, Virginia.

2 The impact area for STARS is only a short distance north of Rongelap Atoll and a big snub to the people of Rongelap, who were forced to evacuate their land for the future of their children, because of serious contamination from previous atmospheric nuclear tests.

3 For the Pacific people their ocean is the greatest asset and their survival. It is wrong to use that ocean for the development of destructive weapons, to contaminate its environment and to make island nation economy depended on that activity.

The weapons are not designed to defend the Pacific, while the Pacific people have to pay the price of a degraded environment.

Previously the Minuteman I was used as a delivery vehicle for target payloads and launched from Vandenberg AFB in California until their numbers ran out.

Around 500 Minuteman II missiles will become obsolete after the latest armscut proposals.

4 Why is STARS still necessary when around 500 nearly similar missiles to the MM I are shortly available?

Is it because it's better to pollute the Pacific environment, rather than the Californian?

ENVIRONMENTAL BRAIN DRAIN

Too many talented scientists, who work on STARS and its related strategic and tactical defense programs, are drawn away from finding solutions to many immediate environmental problems like climate change, global warming and ozone depletion. A brain drain from the environment.

It is dangerous to have too many scientists, who know nothing else than how to develop and manufacture weapon systems.

R & D has to concentrate on environmental problems instead of defense, which already has an abundance in weapon systems and has lost its rationale for new ones.

MISSILE PROLIFERATION

1 STARS adds to environmental problems and assumes an increase in ballistic missile threats from third world countries.

2 Non Proliferation is best served by full implementation of existing international nuclear disarmament treaties, the negotiation of a Comprehensive Test Ban treaty, the creation of an International Space Launch Agency, a ban on Missile Tests and prevention of missile technology transfers.

STARS, ANOTHER OZONE DEPLETER

3 The depletion of the ozone layer is one of our greatest environmental threats. Even if we stop the use of all ozone depleting products now, the process of depletion will continue.

4 It is an act of great irresponsibility and disrespect for life by the Strategic Defense Command to release Freon 114B2, a brominated fluorocarbon, straight into the stratosphere, where its depleting potential is the greatest.

The environmental dangers from these activities are greater than the possibility of any country attacking the USA, the very reason for which STARS missiles are required.

The United Kingdom Stratospheric Ozone Review Group concludes in its "Stratospheric Ozone 1990" report to the Department of the Environment and the Meteorological Office that bromine has a much greater potential than chlorine to act as a catalyst for the removal of ozone throughout the stratosphere.

Currently 20-30% of the Antarctic ozone depletion is attributed to bromine and there is concern that bromine may be even more important for ozone loss in the northern hemisphere in the future.

There is also enough evidence that exhaust gases from thousands of solid fuel rocket launches destroy the ozone layer. The US Space Command in Colorado Springs estimate 1500 launches of all types in 1989 alone.

In March 1990, a panel of the National Research Council of the National Academy of Sciences, which advises the Federal Government, called for a switch to liquid propellants, saying this would eliminate rocket-born pollution of the atmosphere.

ROCKETS, FUEL AND TOXIC WASTE

The manufacture, testing, launching, refurbishing and dismantling of rockets and missiles is according to many records a very toxic business, which will require billions of dollars to clean up.

Aerojet and Hill Airforce base are both on the Superfund National Priorities List. United Technologies Rocket plant threatens a nearby public reservoir with carcinogenic trichloroethylene (TCE) leaks and burns solid rocket propellant in open pits.

No assessment has been made as to how the Polaris A-3 rocket motors will be refurbished. Will the solid fuel be replaced and if so what will happen to the old fuel? Will it be burned in open pits at United Technologies as has been the standard practise?

More than 1500 US DOD sites have been recognised to contain toxic waste and according to a 1989 department estimate DOD continues to generate 900 million pounds of hazardous waste annually, yet environmental restoration is only 0.4% of its total budget.

The GAO report on toxic wastes from 600 overseas US bases has been classified, an indication that the problems are serious.

How can a proper EIS be issued, when previous malpractices are classified and the public won't know what the real consequences of the military toxic problems are.

The US military is the worst single polluter in the world, yet secrecy clouds the real consequences on the pretext of national security.

The biggest threat to the future planet is a degraded environment. National security is best served by cleaning up the mess, instead of adding to the problems.

DEBRIS IN THE OCEAN

There has yet been no environmental impact statement on the dumping of debris from missiles in the Pacific Ocean.

Since the SDC makes no attempt to retrieve the debris, this has to be classified as dumping.

The STARS missile and payload will be destroyed when there is a system malfunction and most debris will then subsequently be dumped into the ocean.

Success or failure, the 1st, 2nd, 3rd stage and the payload of the target missile are dumped into the Pacific Ocean, as are the parts of the defensive missile, which will be launched against STARS.

The "Convention on the Prevention of Marine Pollution by Dumping of Wastes and other Matter", the so-called London Dumping Convention from 1972 recognises that the capacity of the sea to assimilate wastes and render them harmless, and its ability to regenerate natural resources, is not unlimited.

The EIS should state the exact content of the debris, quantities and how much this will add to debris previously dumped during missile tests.

Thousands of missile tests have taken place in the Pacific and each time, solid and/or liquid waste is dumped in the ocean, without a statement on the environmental impact.

NOTICE TO MARINERS

There is a standard practise to issue Notices to Mariners during missile tests, which usually only indicate the impact areas for missile stages and payloads.

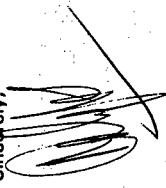
How do Mariners know when a missile is destructed in flight and where the resulting debris will come down?

A warning zone for the complete flight path should be issued to ensure safety, because potential debris could be dumped into the sea over the entire area from launch to impact.

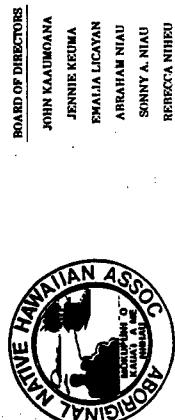
CONCLUSION

STARS is of no strategic importance, it will damage the atmospheric, land and ocean environment, it is insensitive to Hawaii, it will continue the reliance of the Marshall Islands economy on US missile tests, it creates a warzone on the free high seas and endangers our common future generation.

Sincerely,



Martin Goje



LEI KALAMAU
President
MICHAEL MOOK
V-President
SUS ANN K. CHAR
Secretary
REKOA KALAMAU
Treasurer
PATRICIO LICAYAN JR.
Sec.-Attnm

"E Hana Kakou Me Kekaha Pumehana Na Kekahi"

(We work for the love of our children)

P.O. Box 1104

Waimea, HI 96796

Telephone: (808) 335-3897

March 25, 1992

STAR WARS PUBLIC HEARING

WRITTEN TESTIMONY

Kauai War Memorial Convention Hall

My name is Mrs. Lei Kalamau, a Native Hawaiian on the Dept. of Hawaiian Homelands (DHHL) Waiting List of the Aboriginal Native Hawaiian Association. Mokupuni O Kaua'i A Me Nihiaw. I'd like to ask everyone here tonite to forgive me if I hurt anybody's feelings in the past or in the future. I'll try to be more careful from this day forward.

This is the purpose of the Hawaiian Homes Commission Act, 1920 as stated in the Hawaii Revised Statutes, 1991 Supplement, Volume 1, Title 1A:

PURPOSE: "The Congress of the United States and the State of Hawaii declare that the policy of this Act is to enable native Hawaiians to return to their lands in order to fully support self-sufficiency for native Hawaiians and the self-determination of native Hawaiians in the administration of this Act, and the preservation of the values, traditions, and culture of native Hawaiians."

We make up a group of native Hawaiians from West Kauai and Nihiaw who are waiting their turn to become home owners and pay our rent to our own mortgage.

Our parents not rich enough to let us \$10 to \$20 thousand dollars to make a down payment to buy our own home. Our upbringing was so different from you who are so fortunate to own your own homes. So we have to rely on DHHL as our last chance of owning our homes. Right now, we have no opinions or solid facts for us to shift gears in to sovereignty. So we have to stick with DHHL.

Some of us are on Medicaid, but so what. They have their reasons. Who are we to say "Go work", when we don't know why they're on Medicaid anyway. I pay Federal and State income taxes too. If they need the money, they need the money, only God knows why. I let Him judge them.

But these people are my friends, and I know deep in my heart they need the money. Those who are misusing Medicaid, their conscience will tell them so. But I work hard to help, and that's all I need to know.

My family live in Hanapepe. I work in Hanapepe. My family consist of my husband and I as we have no children. I consider myself an aunty to any

Page 2
Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

other child or young adult I come in contact with, because of their fresh young lives ahead of them. I want to help them live a fruitful life and give them hope for their future. I made my mistakes so I want to help them avoid unnecessary waste of their time. If I accomplish this tonite, then my work upon this earth will have never been in vain.

NOTE: At this point, I was halted from proceeding with my testimony as my 3 minute time limit had been met.)

June 1990 I testified at Kekaha Neighborhood Center Star Wars Public Hearing. Commander McFeeley at the time was in attendance. I came away feeling that employees had nothing to worry about. The Star Wars program would have no effect on PMRF. I testified that I didn't want missiles to come to my house if I was to be awarded land above Polihale. That location is where the available lands are for DHHL, West Kauai and Nihiaw Anaho because our lifestyle is on the westside.

A few months ago, we went before the Kauai County Council to testify and we found that a missile that should have landed near or on Ka'ula Rock, landed near or on Nihiaw. My friend was there on Nihiaw at the time so I believe him.

A few days or a week after that testimony, those who are for the Star Wars program went to testify before the County Council that Star Wars program should be permitted to come here.

So I called DHHL and expressed to them this Star Wars issue to them, and suggested they investigate available lands in Waimea, Hanapepe, Kalaeo and as far as Lawai maybe, just so the employees at PMRF won't be so fearful of losing their jobs. I expressed to DHHL that it is not our intention to make trouble, we have to live together with each other. And so we and DHHL are still keeping in touch.

If the employees at PMRF fear losing their jobs, be assured there will be a rippling effect in Waimea. And that's me too. I love my job. For months I worked late so I could keep my desk clear. I never claimed overtime pay unless it was approved prior to working late. For two reasons, the practice of working late had to be terminated. Those reasons do not come from me, for if I could, I would continue to work late. That's how much I love my job.

March 18, 1992 Kauai Times, PMRF's Commanding Officer Capt. Robert Nullins states, "to speculate that cancellation of the STARS program for whatever reason would have the drastic effect of leading directly to closure of PMRF would be overstated. The future of STARS and the future of PMRF are separate issues."

If so many employees fear losing their jobs, then Commander McFeeley and Commander Mullins were lying to the newspapers when they say STARS have no effect on PMRF.

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Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

That's how I received my information, that no one was going to lose their jobs. I appreciate the Commanders said nothing of jobs, but the intonation that closure of PMRF says to me, my friends will still work at PMRF because PMRF is not going to close at this time, because of Star Wars.

I believe the Commanders. So with my Aloha Spirit, if that's what they said, I aloha'd them and take them at their word. If they lying, see how hard the next time they tell me something, I not going believe them. I not going to believe Senator Inouye's Press Secretary in Washington too. Same, when the Army has statistics showing not, too much missile mistakes, but my friend saw that missile mistake with his own eyes, so to this day, hard to believe the Army or Navy. That incident is so well imprinted in the minds of those young children at the time, to this day, they can still remember the effect of that missile mistake. It's like being raped as a child and still feel the hurt as an adult. So we live by the words you tell, and we give our aloha to Commanders McFeeley and Mullins, Senator Inouye's Press Secretary. We are careful because it's very hard to give our aloha away a second time around, although we are taught to forgive, otherwise how can Father in Heaven and His Son, Jesus Christ forgive us.

Somebody has to clear these two different versions of 'not losing their jobs' and 'losing their jobs' because these stories don't match. Which story is fact and which story is opinion?

A question was asked last night that bothered me to this moment:
WHAT DO YOU HAVE TO OFFER US?

This question referred to we who are opposed to Star Wars. If in case employees lost their jobs, what have we to offer the employees.
HOW ABOUT GOING HOME TO WHERE YOU WERE BORN?

We on the DHHL Waiting List Kauai and Ni'ihau had every intention to work along side the homesteaders who have their home in Kekaha and Anahola. But when we were told we cannot vote because we are not leases, we can come and listen, maybe have voice, then take this information back to our membership, we had no choice but to separate ourselves so that we could make a difference with our vote. Homesteaders also said when they were on the Waiting List like us, they had to wait 10, 20 years until they got awarded lands. Can you Homesteaders honestly ask yourselves, do we have 10-20 years to wait like you did? Are you asking, no TELLING we adults, our children, our young adults they have to wait because you Homesteaders had to wait? Is time an element we can play around with anymore? If I ever become a Homesteader like you, I will never stay in my home and make Waiting List eligible, native Hawaiians, like you, wait because of the attitudes we have toward us. You can be sure, I'll be out there helping those on the Waiting List as we now are doing to accomplish the awarding of DHHL lands. This Hawaii is where we were born too, this is where we belong.

Page 4
Star Wars Public Hearing
Written Testimony
Kauai War Memorial Convention Hall
March 25, 1992

So back to the question, "WHAT DO YOU HAVE TO OFFER US? when our own people separate us from having our own home too?"

President Bush is no help. Mr. Francis L. Harjo, Executive Director, National Commission on American Indian, Alaska Native and Native Hawaiian Housing in Washington D.C., submitted a proposal to request from Pres. Bush to include in his budget, funds to send to DHHL. Eventually native Hawaiians do not score as high on his budget List as do the billions of dollars that go to Military programs.

Congress is no help. Governor Wahine, DHHL Director Iloaliku Brake, SCIIA Chairman Kamaki Kanahale, Senators Inouye and Akaka, Mililani Trask went to Washington D.C., February 6, 1992 to testify and remind the Congress of United States of the purpose of the Hawaiian Homes Commission Act, 1920; the responsibility of Congress towards this Act; and request money for DHHL. If we cannot fund DHHL, my suggestion is, then throw away the Hawaiian Homes Commission Act, 1920, get all the homesteaders out of their homes, off the land, and ALL native Hawaiians start brand new. No native Hawaiian definition, no DHHL, no discrimination. My parents, brothers, sisters, nieces, nephews, aunt's uncle's, cousin's, DHHL waiting List applicants become HOMELESS!!!!!!

But history tells on January 17, 1893, Queen Liliuokalani had to give up her throne. You cannot erase that, nor can you erase the hand sugar planters and Honolulu Businessmen taking control of the affairs of the monarchy because the Queen would restore some of the former monarchial powers of the rulers of Hawaii that was now the cause of increasing concern among the foreign element. The connivance of Queen Liliuokalani's dethronement left the real casualty to the Hawaiian people.

Following the Hawaii Delegation testimony in Washington D.C., the Dept. of Interior declared funding DHHL is DISCRIMINATION. And my friend who asked the question, "WHAT DO YOU HAVE TO OFFER US?" He live on Hawaiian Homestead land, is Caucasian (Chao), his wife a lesee (or his mother-in-law), they have a beautiful home on that land, while we still wait on the DHHL waiting List. My friend, I love you, your family, your group you represented and I don't mean to pick on you, but, we too, on the waiting List are hurt, fed up, angry because we cannot have what you have, our own home too, on Hawaiian Homestead land.

In conclusion, the DHHL has been in existence for 70+ years. How can and why should you expect us to allow you to expand your programs to include Star Wars on Kauai when we on the DHHL waiting List cannot get a parcel of land for each eligible native Hawaiian on Kauai.

Page 5
 Star Wars Public Hearing
 Written Testimony
 Kauai War Memorial Convention Hall
 March 25, 1992

Why should we allow a piece of steel metal take precedence over we human native Hawaiians born in Hawaii? Don't you know God created this earth for the habitation of His children, not the habitation of steel metal like that missile? The Congress of the United States and President Bush is withholding funds to DIAHIL, who can develop lands and enable native Hawaiians to return to their lands. BUT THE MISSILE MORE IMPORTANT?

WHAT DO YOU HAVE TO OFFER US?

How about more than 3 minutes to bear a full testimony as this one? Why don't you help us tell President Bush don't be stingy, release the funds to DIAHIL for the native Hawaiian people and all other natives that have been abused in their own homeland by the United States Government?

Why don't you tell Congress and the Dept. of Interior if DIAHIL is discriminatory, they inherited the deeds of previous administrations that caused this discrimination, either they go forward and fund this discrimination practice or they discontinue it and get all the homesteaders off the land so that we ALL don't have land. My great OIANA of native Hawaiians and myself end up homeless in our own land of Hawaii.

Why don't you tell those Homesteaders that we have our own mouth to talk for ourselves and just because you are a leasee, doesn't mean you have some kind of power over us. Our voice is important, we are important, we have native Hawaiian blood running through our veins too.

Captain Mullins, you are a nice man. Your statement however has no guarantee as felt by employees who fear losing their jobs. Missiles Niihau waiting List Applicants is not a guarantee. DIAHIL funding to Kauai and what is guaranteed? DYING AND PUTTING THE STAR WARS PROGRAM THAT IMPORTANT MISSILE ON PINE.

The day an unfriendly missile drop down on Kauai or Niihau, Kwajalein Atoll, Ebeye Island, Marshall Islands, would definitely put an end to all of our miseries, trials and tribulations. And then can I express to my Father in Heaven, "I GAVE IT MY BEST SHOT!"

I submit this testimony to the world in the name of Jesus Christ. Amen. Respectfully submitted,

Mrs. Lei Kalanamu
 Mrs. Lei Kalanamu
 President

April 10, 1992

**COMMENTS ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT
 FOR THE STRATEGIC TARGET SYSTEM (STARS)**

These comments deal with the alternatives mentioned in section 2.3 and are additions to my comments of March 7, 1992. Two alternatives involving launches of Minuteman boosters from Vandenberg Air Force Base should be discussed in more detail.

1) On page 2-37 it is stated that, "Minuteman I and II boosters have START Treaty limitations along with the Poseidon C-3. Furthermore, these boosters would have to be modified to meet all the mission performance criteria." Minuteman boosters have been used in the past and as recently as March of 1992 to launch simulated ICBM warheads from Vandenberg to Kwajalein so apparently it is possible to modify them to launch experiments planned for STARS. There should be some discussion of the specific START provisions that would preclude using Minuteman I and II boosters for STARS and an explanation why these limitations did not affect previous Minuteman launches. (Recent press reports indicate that U.S. Air Force officials are investigating the use of Minuteman II rocket motors to launch objects for SDI experiments.) It should also be indicated how many Minuteman I and II boosters would be available for STARS.

2) Use of Minuteman III boosters for STARS is rejected because "test objects would not be able to transmit encrypted information when flown on a Minuteman III." More discussion is needed about the treaty provision which prohibits this for Minuteman III but allows it for Polaris. In addition, it should be explained why the information needs to be encrypted and how difficult it would be to transmit the information in a treaty-compliant manner.

Michael Jones

Michael Jones
 Dept. of Physics and Astronomy
 Univ. of Hawaii
 2505 Correa Road
 Honolulu, Hawaii 96822

WR91

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not approve of missile testing on this island.

I question the number of jobs to be gained here. I think they will be mostly skilled (or should be) and where are these people on this island?

Name: 8822 Kerasch
Address: 27181 Hunn Lihue, HI 96766
Street Address: _____
City/State/Zip Code: _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV(D.R.Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR92

P.O. BOX 165
PUTI, HI 96766

APRIL 11, 1992

Dear SIRS:

I DO NOT SUPPORT "STAR WARS" TESTING BUT I DO SUPPORT PMRF.

SINCERELY,

FLORE MINNIA

Floren Minnia

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1
 I am visiting Kauai from Britain for three months. I have travelled around the world and find Kauai one of the most beautiful, unspoilt places. I was horrified to hear of your plans to use this gorgeous island as a rocket launching base.

People are homeless and starving in America. Your economy is collapsing as it is in Britain. How can you even justify spending money on "Star Wars"? As Gorbachev was quoted saying in "Time" magazine; "It is Star Peace we need; not Star Wars!"

Name Marilyn Barry
Address 14178 Hill Street, Lihue, Kauai, HI 96766

City/State/Zip Code

QF7D0.

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSDEN-Y (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3601

WR99

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,



Karine M. Gallien
711 Alii Dr., Rd.
Kapaa, HI 96746

WR99

April 8, 1992

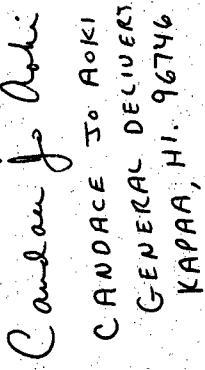
Senator Inouye & Mr. Gallien,

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,


Candace To Aoki
GENERAL DELIVERY
KAPAA, HI 96746

WR100

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Paul Jesso

Paul Jesso
4480 AIA RD
Kapaa, Kauai, HI
96746

IRAJA SIVADAS P.O. BOX 607 HANAPEPE HAWAII 96716

Tue, Apr 7, 1992

WR101

1
Dear Senator Inouye:

As a two tour of duty Vietnam veteran, I feel it is my duty to express a threat to our national security. That threat is the STARS project. The possible threat of incoming missiles does not compare to the known threat of the damage done by outbound missiles fired from our own country.

Not only is the STARS project proposed for Kauai a threat to the islands environment it is a 75 billion dollar threat to the citizens of these United States where in this economic atmosphere that money should be used to support the people of this country. Spend money on projects like Head Start, or the national Mayors plan to clean up the cities, or any plan that is directed towards building this country up, not on the destruction of the ecology of Kauai. Thank you for your time and work in the Senate. I know that as a veteran you will work for the true defense of this nation.

Sincerely,
Iraja Sivadas
Iraja Sivadas

April 7, 1992

1

To:

Senator Daniel Inouye &

Mr. Randy Gallien

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Kimberley Hopkins
Hawaiian Airlines

Kimberley Hopkins
5BCC Lokea St.
Kapaa, HI 96746

WR102

WR102

April 7, 1992

1

To:

Senator Daniel Inouye &

Mr. Randy Gallien

I am preparing my concerns about the STARS issue on Kauai. I am against the proposal. While I am aware that our environment is already polluted

with everyday emissions, exhaust & other pollutants, I feel that the emissions from the STARS rocket launch will add to the problem. I do not want beautiful Kauai, my home for 36 years, further damaged & polluted. Please take into consideration the feeling and wishes of most of the population of Kauai, to keep it as it is.

Sincerely,
Rene Munakai
Rene Munakai
P.O. Box 496
Honapepe, HI 96716

WR104

Dear President Bush:

4-92

Please be advised as a small
business man in the Constituted State on
the island of Kauai, I am totally against
the launching of missiles on this small
island of 8000 people.
According to all the studies and
reports, it has come to my attention
that any launching of missiles is unsafe
as well as dangerous to all people
concerned with the environment and
truly is disrespectful to any and all
people on the island and in the world.
Due to the changing world order, I
feel that the money appropriated for
this morally cause could be better
spent on improving our world environment.

I thank you for
your immediate attention to this matter.

Ralph Radis
3667 Auna Rd
Honolulu, Hawaii

WR105

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

1
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 4, 1992

Dear Mr. Gallien,

This letter is to let you how strongly I am opposed to the Stars Program on Kauai.

I understand the need for a strong defense and am NOT opposed to PMRF. However, after hearing of the AGE of these missiles and the high possibility of an accident; I can understand the militance of those opposed to these launches. And would be willing to put my self on the line in demonstrations blocking their launches.

Please help us to stop these launches. Our Island is not the appropriate place to do these tests.

Sincerely,

Susan Gailey

Name Susan Gailey

Address P.O. Box 737, Kilauea, HI 96754

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3501

WR106

Copies 1, 92

WR107

Strategic Target System Draft Environmental Impact Statement

Written Comment Sheet

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1
I am writing to you as a concerned citizen with natural resources and environmental issues in my life time.
I do not support the Strategic Target System because it will affect the environment and the people who live there.
P.M.R.F. This needs to be conducted at the reverse moment we should not see
have to ensure the health and well
nations water and ground health.

Thank you,
Tim Hunter

Box 1130
Huntington, W. Va.

Attention Senator Inouye and Mrs. Gallien,
We are writing to inform you that our family
and friends are deeply concerned about the STS
project being located here on one island of Hawaii.
While we do support PMRF our dissent is
solely aimed at the Strategic Target System and
the impending negative threat to thousands!
This small island cannot chance even the
smallest mishap — the result, as you know,
would be disastrous!
We beseech you to support and protect us from any kind
of possible damage! Please bring to mind the definition of the
~~wind~~ "Accident" —, "an unexpected misfortune"; thank you.

Address JAMES + DOREEN WHALEY, P.O. Box 626, Kuaheea, Kauai 96754
From Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command

Attention: CSD-EN-V (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

WR108

WR109

April 8, 1992

Senator Inouye & Mr. Gallican,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without adding the potential hazards inherent to the SDI program.* In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

To whom it may concern,
As a registered voter in the County of Kauai, I am
expressing my opposition to the testing of the
"STARS" missile program at Beamer Senda.

It is my opinion that this program is no longer
necessary or desirable ~~as~~ ^{to} perpetuate plane
which the military complex seems unwilling to
revise. No such testing is deemed necessary
I feel that there must be complete ~~the~~ ^{and} vulnerable
to ~~an~~ ^a possible environmental ~~and~~ ^{and} image,
and safety problems than our island of
Kauai.

Sincerely,
John Melendez

P.O. Box 3447
Lihue, HI 96766

Deborah Melendez
P.O. Box 3
Lihue, HI 96751

1

John Melendez

Sincerely,

WR110

April 17, 1992

April 8, 1992

Senator Inouye & Mr. Gallen,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Mackelle Deauoa
P.O. Box 69
Kapaa HI 96744

WR111

To: Senator Daniel Inouye
and Mr. Randy Edelen

[1] I am a student at Kauai Community College and am currently doing a research paper on the proposed missile launches at PMRF, Barking Sands. I have taken into consideration all the facts and as of today I am against the missile launching. Although I feel that we could benefit from some of the research done, I think it should be done somewhere else. After all Kauai is a beautiful Island and not very big. Accidents do happen and it could have some drastic negative effects on our island.

Thank you,
Roguel Deauoa
1420 Kamehameha Rd
Kapaa, HI 96744

WR112

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

TERI KOLDER

P.O. Box 629
KAPAA 96746
KAUAI ~
Hawaii

WR113

April 6, 1992

TO: The Honorable Senator Daniel Inouye
Mr. Randy Gallien

SUBJECT: Proposed STARS missile launches from Barking Sands to Kwajalein atoll

I am a Kauai resident, teach at Kauai Community College, have read a fair amount on the SDI issue, and am strongly opposed to the proposed use of Kauai's PMRF as a launching site for missiles connected with the STARS program.

Others have enumerated the shortcomings of the DEIS. My objection to the missile launches stems from my opposition to the SDI program itself. The "Star Wars" concept was built on an uncertainty, that the x-ray laser could effectively be used as an antiballistic weapon, an idea that physicist Edward Teller successfully sold President Reagan.¹ I don't think it is worth the billions of dollars that will have to be spent to test the idea. I believe a strong United States is predicated on the proposition that Americans be critical thinking, well-educated, have a strong moral sense and a strong work ethic, and live in a healthy economy. The Soviet Union was militarily strong, but we all seen how easily it crumbled. Why don't we learn from what happened there?

I am not opposed to the PMRF being on Kauai. I am against the tactic of linking the STARS project with PMRF's continued presence on Kauai. This is a very underhanded means of getting a questionable project accepted.

Thank you for your attention.

Sincerely,

Joyce Nakahara
3178-A Akahi Street
Lihue, HI 96744

¹See for example, William J. Broad, Teller's War: The Top-Secret Story Behind The Star Wars Deception, Simon & Schuster.

WR114

April 6, 1992

P.O. Box 676
Koloa, HI 96756

To: Honorable Senator Daniel Inouye
Mr. Randy Gallien
Gentleman,

I am writing this letter to express my thoughts against the proposed STARS missile program on the Island of Kauai.

I am against the program for the following main reasons:

First, access to Polihale Beach, one of the island's pristine fishing and recreational areas, will be restricted a minimum of fifty six days per year.

Second, in case of a rocket failure, the Hawaiian homelands, as well as the pristine Na Pali area near PMRF could be seriously and irreversibly damaged.

Third, I do not believe either the twenty-year old refurbished Polaris missiles are safe, nor the 10,000 square foot ground hazard safety area is adequate.

Fourth, the 360 kilograms of freon these missiles will release into the atmosphere every year, for ten years, is too high to be acceptable, when the ozone layer has already decreased 10% over the island of Kauai according to NASA researchers. What good will a "Star Wars" shield do over our heads if we are all suffering from skin cancer, cataracts, and immune system damage?

Fifth, during this time of economic recession in our country, I do not feel we can afford to spend billions of dollars of research into SDI, and would like to see my tax money put into education and researching alternate forms of energy.

And finally, I do not agree with perpetuating Kwajalein island as a missile testing site, which is going against the will of the Kwajalein island people, and has forced the relocation of 10,000 to a tiny atoll.

I support the continued existence of PMRF as one of the premier underwater fleet training sites in the country. But I do not support this one missile program.

Thank you for listening to my opinions.

Sincerely,

Mary Eiser

MARY EISER

4/6/92

Senator Daniel Inouye and Mr. Randy Gallien:

I am writing this letter to inform you that I oppose the STARS missile launches from Barking Sands. I am concerned for Kauai and the future of its people and land. I do not believe these proposed launches are in the best interest of Kauai. Thank-you.

Sincerely-

Gary Gulliksen

Gary Gulliksen

P.O. Box 853

Lanai, HI.

96765

5

WR115

1

I am writing this letter to inform you that I oppose the STARS missile launches from Barking Sands. I am concerned for Kauai and the future of its people and land. I do not believe these proposed launches are in the best interest of Kauai. Thank-you.

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First, access to Polihale Beach, one of the island's pristine fishing and recreational areas, will be restricted a minimum of fifty six days per year.

Second, in case of a rocket failure, the Hawaiian homelands, as well as the pristine Na Pali area near PMRF could be seriously and irreversibly damaged.

Third, I do not believe either the twenty-year old refurbished Polaris missiles are safe, nor the 10,000 square foot ground hazard safety area is adequate.

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And finally, I do not agree with perpetuating Kwajalein island as a missile testing site, which is going against the will of the Kwajalein island people, and has forced the relocation of 10,000 to a tiny atoll.

I support the continued existence of PMRF as one of the premier underwater fleet training sites in the country. But I do not support this one missile program.

Thank you for listening to my opinions.

Sincerely,

Mary Eiser

MARY EISER

WR116

4/6/92

Daniel Inouye and Randy Gallien:

Dear sirs, this is to inform you that I am against any and all STAR missile launches off the island of Kauai (or anywhere for that matter). Thank-you.

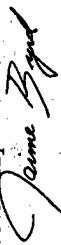
April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

Sincerely-



Jaimie Byrd
P.O. Box 853

Lawai, HI. 96765

*Kelii Ohia-kaa
Naonoi K. Thomas - hanu.
6927 Lawai Pl.
Lanai, HI 96776*

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2
3
I would like to know why "mankind" missile testing facilities are surrounded by 100 miles of forest land w/ no one allowed inside + plane, when these "old" missiles with likely age problems will be blown off, about a town. "Third-gift" will not be good enough here.

WR118

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

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2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Alison L. Dunn
P.O. Box 706
Honolulu, HI 96714

WR119

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

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Sincerely,

P.O. Box 3236
Princeville, Kauai, HI 96722

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2

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 8, 1992

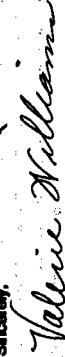
Dear Mr. Gallien,

I support the "No Action" alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and test site revenue.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohii Dunes is a culturally significant area, inappropriate for use as a launching site.
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Sincerely,



Valerie Williams
4706 Pelehu Road
Kapaa, HI 96746-1851

Name Valerie Williams
Address 121 Alie K

City/State/Zip Code _____

Street Address _____

1

2

WR122 To whom it may concern:

I am writing this letter to express my concern about the newest missile program based on Kauai's Westside Shore. I do not think in anyway shape or form this system should be initiated. On several points my concern is concentrated:

- ① The Military should NOT take unnecessary chances with Hawaiian Islands or Adjacent property.
- ② SDI or any "STARS" program is ~~a~~ WASTE of money at this point and won't work in a war scenario.

③ As an and use of the ocean for recreational purposes, the closing of the base area for testing purposes for so long of a time for so many times causes major distress.

In closing, don't shoot Polaris or any type of them burning rockets on Kauai, or anywhere else. Leave our island on a small time scale (as seen as the Military) PIRF will be okay for what it is — No body wants to take jobs away, then again nobody wants a burn out area for their back yard, think of it as your own backyard & you can see the point.

Maloolei Lorraine Marks

Po Box 702

Honolulu HI 96714 (808) 826-6231

WR123

April 6, 1992

Dear Dan Inouye &
Mr Randy Babbie:

I am against launcher from
Banking Sails to Kauai still.
I do support local jobs for people
working at PIRF.

I am opposed to the STARS project.
We are too small an island, too
fragile an economy and would
be unable to handle the dangers,
the pollution. Our ozone layer is
a serious matter.

At a time when our faith
in the government is at an all
time low, this would be further
evidence that this ~~the~~ lack of trust
is justified.

Sincerely,
Krisia S. Nelson
P.S. I never fail to vote. I follow the issues.

Dear Senator Inouye,

HAVING READ AND DIGESTED AS MUCH INFORMATION REGARDING THE PROPOSED SDI PROGRAM ON KAUI AS WE COULD LAY OUR HANDS ON, WE ARE OBSCERBLY OPPOSED TO THE PLAN. IN FACT, GIVEN THE CURRENT WORDS SITUATION AND RECENT DISCLOSURES ABOUT THE ENTIRE SDI PROJECT, WE ARE OPPOSED TO ITS EXISTENCE.

10,000 MARSHALL ISLANDERS RELOCATED TO A 65 acre ISLAND!

Billions, Hundreds of Billions, Trillions(?) of DOLLARS SPENT ON A PEACEAN OF PUBLICS NEED OR EFFECTIVENESS! WHILE PEOPLE ARE ILL-Educated, UNDERED, without security!

IF THOSE IN POWER CAN'T SEE THE NEED TO USE THESE FUNDS FOR THE SOCIAL GOOD, AT LEAST LEAVE OUR HOME IN PEACE WAY IMPROVIDE KAUI AND MAKE IT A TARGET? WE WILL BE FORCED TO CHOOSE BETWEEN STARVATION AND EXPOSING NUCLEUS AND GIVE OBLIGATION TO POTENTIAL PSYCHOLOGICAL AND PHYSICAL HARM, AND LEAVING THE ISLAND HOME WE HAVE GROWIN TO LOVE.

PLEASE DO WHATEVER YOU CAN TO HALT THE PROGRAM. AT THE VERY LEAST, KEEP IT OFF KAUI. YOU WILL THEN BE KNOWN BY THE PEOPLE AS HAVING THE SAME COURAGE AS GOVERNOR CUOMO IN OPPOSING THE STONEHAM NUCLEAR POWER PLANT IN NEW YORK. YOURS IN HOPE, Bruce and Candace Fehling

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 10, 1992

Senator Inouye

I am a resident of Kauai and I am very concerned with the Star Wars project. I respect the work that PRMF is accomplishing but strongly oppose the Star Wars project. The possibility of accidents and bodily injury to this people of Kauai - not to mention this island itself - there is concern with the safety of the testing! More time and research of target should be placed on this project!

Name John Medved

Address P.O. Box 639 Kilauea HI 96743
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

A Safety Net Full of Holes

After nine years and \$30 billion, new charges brand the Star Wars defense effort a fraud

1

I write to you in continued support of my opposition to the proposed STARS missile launches at Barking Sands, Kauai. As I noted in earlier correspondence with Senator Inouye, the choice of this site for these tests is inappropriate and potentially dangerous. I have long believed that this particular site should not be placed at such risk for these tests.

I have also stated in earlier correspondence to Senator Inouye that a strong and capable military defense is essential to the integrity of our nation. However, this commendable object does not fit me suggesting that we should use questionable means to achieve it. As is suggested in the enclosed Newsweek article (3/23/92), "A Safety Net Full of Holes," the SDI "knowingly masked the program's failures and overstated its progress just to keep the money rolling." Obviously it would be unjustified to imply from this accusation that the STARS/PMRF program is itself a fraudulent enterprise. But it should be noted that their funding comes from the larger national SDIO budget. It seems obvious to me that at least a management audit of SDIO is appropriate at this time, and further that a suspension of STARS/PMRF is justified until such time as the SDIO affairs have been examined.

One of the important considerations about the STARS/PMRF issue that has been circulating through our island community is that essential jobs are at stake. I agree that the negative impacts of not going ahead with STARS/PMRF have been overstated, especially since the larger debate over our defense roles in the present and future are in such great flux due to the dismantling of the USSR, the end of the Cold War and the coming more restrictive budgetary allocations as the budget deficits consume more and more of our fiscal resources. This is a time for greater caution. And, this is a time for carefully weighing the costs and benefits of STARS. I and many others argue that, in sum, the costs of STARS/PMRF clearly outweigh its benefits.

Thank you for admitting my opinions into your difficult deliberations; I believe that they are well founded. Please include the Newsweek article as part of my account, and if possible I would like physicist Mr. Dona Bekeant, a San of Kauai, to add for your consideration.

Sincerely,

*Diana Bekeant
A Son of Kauai*

4676 Waena Loop
Kapaa, HI 96746
Apr 13, 1992

Honorable Daniel Inouye, U.S. Senate
Mr. Randall Gallien, STARS-DEIS Author

Dear Sirs:

I write to you in continued support of my opposition to the proposed STARS missile launches at Barking Sands, Kauai. As I noted in earlier correspondence with Senator Inouye, the choice of this site for these tests is inappropriate and potentially dangerous. I have long believed that this particular site should not be placed at such risk for these tests.

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Sincerely,

*Diana Bekeant
A Son of Kauai*



Ground-Based Laser

This \$1 billion free-electron laser shoots a mirror, which reflects beams at missiles. Stalled: SDIO prefers Pebbles.



The target: *Independent warheads from the MX Peacekeeper missile, the kind SDI means to stop*

It seemed like a good idea at the time. Wars will never provide an impenetrable umbrella against nuclear missiles. Pentagon scientists criticize Saucier's work and even question his sanity. SDIO will not comment on his allegations, however, until the U.S. Office of Special Counsel, which investigates whistle-blowers, finishes its inquiry. From the start, though, many physicists and military officers worried that Star Wars was technologically impossible. Now, 30 billion later, there's evidence that the Strategic Defense Initiative Office (SDIO) — as the Star Wars command is known, saw the lawswall along—and knowingly masked the flaws all along—and overestimated its failures and overestimated its progress just to keep the money rolling. Engineer Alvin Saucier, who was fired from the SDI program last month described in an open piece in the New York Times last week a conspiracy within SDIO as the X-ray laser in order to keep the do-largating in. In an interview he spoke of intercepting the missile to prevent it from hitting the target. Theodore Postol of MIT says weapons that could be easily neutralized by SDIO stations in space would be easily shot down. SDI officials say that the stations would be easily destroyed by anti-satellite weapons.

According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI overestimates in 1987 to buyout, not block, a massive Soviet missile attack. Taxpayers may not

have tried very hard to fulfill the technical requirements of President Reagan's vision of an impenetrable shield and failed.

And so quietly, secretly, SDI did what might charitably be called "evolve."

According to a report from Congress's General Accounting Office, released last week by Rep. John Conyers, SDI overestimates in 1987 to buyout, not block, a massive Soviet missile attack. Taxpayers may not

easy." If you keep all the technical data under wraps," says Kenney, "it's easy to keep it funded."

In fact, SDI has scored a few successes. In a 1990 test, a ground-based interceptor destroyed an unarmed missile. Of course, the defenders knew when the missile was coming and from where; defectors from Baghdad would not be publicized beforehand.

The Defense Department denies that SDI's goals have changed. Rather, it says that from its inception SDI was meant to "direct a research program that will provide the basis of an informed decision regarding the feasibility of eliminating the threat posed by ballistic missiles." Moreover, the Pentagon disagrees that deploying a space- and ground-based defense system poses no significant technological challenge. The complexity of the software required to coordinate 8,000 orbiting interceptors, for instance, is no more damning than programs that control nuclear reactors, it says. And in any case, argues SDIO, the system could operate with "minor errors or weaknesses." Of course, a missile defense that doesn't work perfectly has failed completely,

says John Pike of the pro-

Scientific Federation of American Scientists.

New weapons. How does the Star Wars concept change the cold war? The new justification for SDI now that the West has won the cold war?

The new justification for SDI is that emerging nuclear powers may not be deterred by mutually assured destruction. Even a single nuke from a martyred nation could bring a holocaust. Star Wars has a better chance against a small barrage than a huge one, but that does not necessarily justify space-based missile killers. Infrared warning satellites spied every Scud that was launched during the Persian Gulf War. Those satellites, teamed with 100 ground-based interceptors located in Grand Forks, N.D., spied IBM's Gairwin, "would be smaller and more effective than space-based interceptors." In part, that's because the Patriots must hit a missile dead-on in order to destroy it. Large anti-ballistic missiles

NEWSWEEK: MARCH 22, 1992 \$7

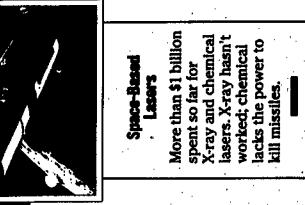
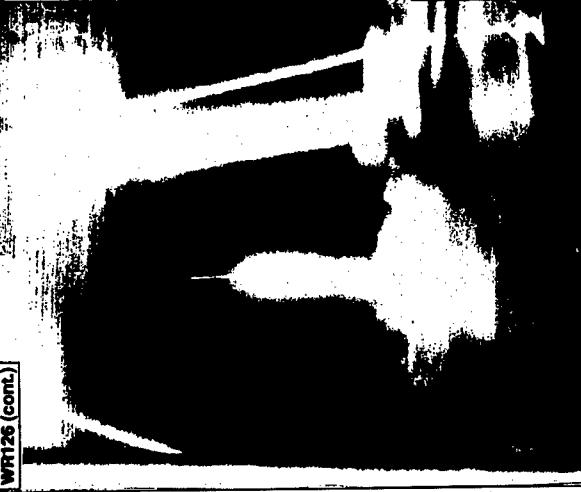


Neutral-Particle Beam Weapon
A \$700 million project, scrapped because of inaccuracy. Failed to recognize decoys or to reschedule power levels.



Brilliant Pebbles
8,000 orbiting missile interceptors, part of a \$46 billion-\$100 billion space and land-based system. Plagued by software and accuracy problems.

have realized it, but the billions of dollars were not going to buy Reagan's popular perfect defense. SDI switched course again in 1990 with the introduction of Brilliant Pebbles, a program to develop armadas of hundreds of small orbiting interceptors that would swarm toward incoming missiles and destroy them by impact. In 1991, SDIO conceded that Pebbles could protect America only against limited (up to 200 warheads) ballistic missile attacks from anywhere (read: crazed Saddam-type dictators). Changing goals as it went along was central to what Saucier calls the main point of SDI: "to keep the research-and-development money flowing." That required se-



Space-Based Lasers
More than \$1 billion spent so far for X-ray and chemical lasers. X-ray hasn't worked; chemical lacks the power to kill missiles.

(ABM) might be more effective. Don't count Brilliant Pebbles out of the budget yet, though. Last week President George Bush nominated TRW executive Daniel Goldin to head NASA. Goldin worked on the Brilliant Pebbles contract at TRW. The perceived success of ground-based defenses in the gulf war ratified up the SDI budget. Says a congressional aide who has followed SDI for seven years: "The TV images of the Patriot for service to the U.S. to SDI. That's how much additional funding Congress voted for SDI last year, after three years of flat or declining appropriations. Yet another study by MIT's Postel questions the Patriot's performance. Writing this year in the journal International Security, he argues that the Iraqi Scuds fell apart, as they formed on their targets, with no help from the Patriots. When Patriots that opened toward the fragmenting Scuds fired their warheads, the fireballs that resulted were mistaken for hits. His analysis of videotapes shows that Scuds flew by untouched. The Army contends that Patriots were 90 percent successful in Saudi Arabia and 50 percent successful in Israel.

Since Saucier went public, says attorney Jeff Ruch of the Government Accountability Project, "people have been coming out of the [SDI] woodwork" with similar charges. Three congressional committees are launching inquiries into the allegations. Saucier has been reinstated in his job at SDIO pending review of his charges. Still, no one believes that a whistle-blower can bring down Star Wars. President Bush has requested \$5.4 billion for SDI next fiscal year, compared with \$4.1 billion in 1991-92. Yet SDI competes for scarce dollars with other defense programs. In an era of shrinking budgets, says a congressional aide, "the people who are going to kill SDI are in the Pentagon."

SAUCIER CONTINUED



Sharon Beder, a Washington-based scientist, is critical of SDI.

DAVID GREEN IN WASHINGTON

Visiting the website: Physicist Saucier

WR127

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRFF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRFF continue to have worthwhile jobs there, *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRFF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program, NO, not on this island, which is my home.

Sincerely,

Sofia Diaz
SOFIA DIAZ
P.O. Box 129
Kapaa, HI 96746

WR128

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRFF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRFF continue to have worthwhile jobs there, *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRFF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program, NO, not on this island, which is my home.

Sincerely,

Debra Rawlins
Debra Rawlins
4330 Laoakona St.
Lihue, Kauai 96766

WR130

April 6, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,



Alison L. Dunn
P.O. Box 701
Honolulu, HI 96714

WR129

P O Box 3551
Princeville, Hi 96722
April 6, 1992

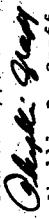
Mr. Randy Gallien

This is to inform you of my strong disapproval of any STARS missile launches from Barking Sands.

I believe the STARS program does not have the potential to serve as a reliable defense, and any money spent on the development of the program would be a complete waste of funds which could be better spent on domestic needs.

I also believe that even if the program were to be advanced, it should not be tested on Kauai, since it would pose a serious threat of damage to both valuable human and natural resources.

Sincerely,



Phyllis D. Graff

1

1

2

P.O. Box 949
Honolulu HI 96744
April 10, 1992

Aloha,

Dear Senator Inouye & Mr. Geller:

As a Hawaii resident and as U.S. citizen I am writing to express my extreme opposition to the Star project here on Hawaii. It simply does not understand what our government is doing with \$2 billion dollars of land funded taxpayers' money! If it does not exist my tax dollars spent to destroying our planet! If have a friend who worked on the "clean-up" project in the Marshall Islands - it simply does not make sense!

There are so many reasons for my opposition and I am sure you've heard them all before. But don't just listen to them, feel them in your heart & brain that it is you who join the position to really do something.

The life of our planet is at stake and the consciousness of those in power must change - let it begin with you!!

Sincerely,
Jessie Duias

1

My name is Milissa Granda and I'm 11 years old. I was born and raised on Kauai and I am 1 of 6 kids. Earlier this evening I had not planned to speak but as I heard various opinions i became overwhelmed with fear for our islands of Kauai and Nihiwai. Sounds like a game. I am taught to recycle paper, cans, glass, to not use spray cans, styrofoam, to put litter in its place and to keep our beaches clean this a game or are we really dedicated to protecting our environments and life style. Believe it or not I often think about becoming a mother and even a grandmother. Am I wasting my time thinking that my children and grandchildren will be as fortunate as I have been enjoying the purity of Kauai. It seems to me that the Milatavics intentions for starwars are to further protect our nation. However we will be destroying our natural protection... our ozone

When I close my eyes I imagine the ozone layer that keeps me warm at night, a safe cool shelter on a hot day, and an airy clean wind for little growing plants and creatures. It saddens me to think Kangai could become just like any other undesirable place that so many of us have run away from.

What makes me angry is our tax money will be paying for Star Wars. Even I work for my money and I don't mind helping out. Recently I watched a special about babies dying because their parents don't have enough \$ to get medical insurance. I was shocked to here America has one of the ~~highest~~ highest infant death rates..... I want my money to go to saving those babies. I want my money to go to people who don't have a place to stay at night. I want my money to go to those people who wouldn't have dinner on the table and I want to go to medical school but

M 8133

19 March 1992

Miss Elizabeth Freeman
c/o Responsible Citizen for Responsible Government
P. O. Box 1440
Honolulu, HI 96714

卷之三

Thank you very much for all the news and informations you sent me two days ago.

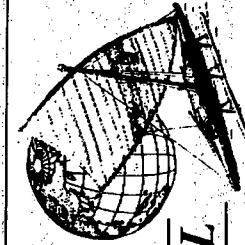
After reading some of the materials, I was really overwhelmed by the position that the people of Kauai, particularly the Mayor and Council, have taken on the STAR/END missiles program. I would like to express on behalf of some Kauaiin landowners and Mr. Handal Dribo our full support and solidarity to the people of Kauai on this very important stand. We can only pray that more and more concerned citizens like you come to realize the kind of position that US government has practiced on small people in the Pacific. Your people have brought Christianity to our islands and we accepted the faith. Many of us don't understand why our home islands have to be used for military purposes! I believe that your government can make changes if concerned people like

Again, we would like to salute you and express our support, and pray that God would bless you in this endeavor.

Sincerely,
Julian Riklon
Julian Riklon

W0124

THE FILMS



March 21, 1002

LETTER TO THE U.S. ARMY STRATEGIC DEFENSE COMMAND
AND THE CITIZENS OF THE ISLAND OF KAUAI FROM
ADAM LINDHORNWITZ, U.S. CITIZEN

Thank you very much for all the news and informations you sent me two days ago.

After reading some of the materials, I was really overwhelmed by the position that the people of Kauai, particularly the Mayor and her Council, have taken on the STAR/HDX missiles program. I would like to express on behalf of some KwaJalein landowners and Mr. Handal Dibro our full support and solidarity to the people of Kauai on this very important stand. We can only pray that more and more concerned citizens like you come to realize the kind of position that US Government has practiced on small people in the Pacific. Your people have brought Christianity to our islands and we accepted the faith. Many of us don't understand why our home islands have to be used for military purposes! I believe that your government can make changes if concerned people like

Again, we would like to salute you and express our support, and pray that God would bless you in this struggle.

卷之三

Sincerely,
Julian Riklon
Julian Riklon

As the Producer/Director of the documentary *111M HOME ON THE RANGE*, I have had the opportunity to travel extensively throughout the Marshall Islands and witness first-hand the cultural and environmental devastation caused by United States strategic weapons testing. My film centers primarily on the effects of ongoing missile testing at Kwajalein, but during the course of production, I also visited Bikini Atoll and met many of the displaced Bikini Islanders, who have become known as the nuclear *nomads of the Pacific*.

In 1946 the Bikinians were told that the atomic bomb was being tested on their island, "For the good of mankind" and were led to believe they would return to their homes. But after 25 atomic and thermonuclear bomb detonations, Bikini Atoll is completely radioactive and will be unsafe for

The U.S. military began missile testing at Kwajalein Atoll in 1960, and since that time has evicted most of the Kwajalein Islanders from their traditional home lands and turned a tropical paradise into a nuclear missile test range and practice ground for World War III.

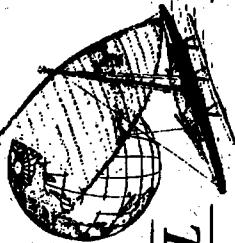
Despite the end of the cold war, missile and Star wars testing at Kwajalein goes on, and the U.S. Army proposes to expand the testing by launching missiles from the island of Kauai in addition to the ongoing launches from Vandenberg in California. The military has said that the additional testing from Kauai will have no significant environmental impact. [REDACTED] They have shown they will do anything to further their programs without any concern for the human and environmental consequences.

continued on page 2

369 Montezuma St., Studio #168 • Santa Fé, New Mexico • 87501 • Telephone (505) 998-3588

WR134 (cont.)

Page 2



EQUATORIAL

FILMS

The Bikinians have lost their homeland forever. The 10,000 Kwajalein Islanders are crowded onto a 65 acre island that has become a slum with conditions approaching those of a concentration camp. Like the people of Kauai, they were told that missile testing would not have any negative effects. But their homelands are off limits, their culture and traditions have been destroyed, and their future appears bleak. The U.S. government has been embarrassed into trying to improve the living conditions of the Kwajalein landowners, but the damage is too great, the problems too severe for Uncle Sam to mitigate any more.

The military always promises that their activities will not have any negative effects. But now, in our own country, we are left with Hanford, Washington and Savannah River, Georgia; two of the most contaminated places on Earth. We have seen thousands of Americans contaminated by atmospheric nuclear bomb testing in Nevada. We have seen Rocky Flats, the nuclear bomb factory in Colorado, closed down and investigated by the FBI for their flagrant and deadly abuse of the environment and the local inhabitants, and their lies about the extent of the pollution.

The military cannot be trusted. Missile testing at Kauai will surely have negative effects on this garden paradise that cannot even be predicted.

The military who has been entrusted to protect this country has destroyed countless places and countless lives in the name of national security. Their philosophy was best summed up by General Westmoreland talking about a small village in Vietnam when he said, "we had to destroy it in order to save it."

Stop the missile testing. Cover the military-industrial complex to purposes that will benefit mankind.

Sincerely,

Adam J. Horowitz

WR135

TO: DANIEL K. INOUYE
UNITED STATES SENATOR
ROOM 722, HART SENATE OFFICE BLDG.
WASHINGTON D. C.

FROM: FRED L. JAGER
1951 MUKU PL.
KOLOA, HAWAII, 96756

RE: P.M.R.F./"STARS PROGRAM"

DATE: APRIL 4, 1992

DEAR SENATOR INOUYE:

THE PACIFIC MISSILE RANGE FACILITY (PMRF), AT MANA HAS BEEN A GOOD NEIGHBOR FOR TWENTY-EIGHT YEARS. I SUPPORT THE EMPLOYEES AT THE BASE AND WOULD NOT SUPPORT THE CLOSING OF THE BASE.

HOWEVER, I DON'T SUPPORT THE "STARS PROGRAM" AND I FEEL IT IS COMPLETELY RIDICULOUS TO EVEN THINK OF USING KAUAI AS A TEST SITE. I WOULD HAVE THE SAME REACTION TO THE USE OF YELLOW STONE, YOSEMITE, GRAND CANYON, JACKSON HOLE OR ANY OTHER PRISTINE ENVIRONMENT.

I CAN NOT BELIEVE THAT IN A TRILLION DOLLAR DEFENSE BUDGET THAT A PROJECT MORE CONDUCTIVE TO KAUAI'S PRISTINE ENVIRONMENT CAN NOT BE FOUND.

THIS IS NOT TO LESSEN YOUR LACK OF PROPER PRIORITIES. WHY WOULD WE CONTINUE TO SPEND THIS AMOUNT OF MONEY ON A PROJECT THAT HAS BEEN A COMPLETE FAILURE. IT HAS BEEN 10 YEARS AND NO POSITIVE RESULTS AND NO REAL STRIDES FOR MAN KIND. WE HAVE FAMILIES ON THE STREETS, WE HAVE PEOPLE GOING HUNGRY, WE HAVE LESS AND LESS OF OUR POPULACE THAT ARE GETTING A HIGHER EDUCATION, NOT TO MENTION THE FACT THAT MORE AND MORE CHILDREN CAN'T READ. I FRANKLY FIND THIS A GREATER THREAT TO OUR FUTURE THAN ANY OTHER COUNTRIES POSSIBLE HOSTILE ACT VIA A INTERCONTINENTAL BALLISTIC MISSILE.

ALOHA,
FRED L. JAGER

WR136

March 24, 1992

General Robert D. Diamond
U.S. Army Strategic Defense Command
70 Box 150
Huntsville, Alabama 35807

To General Diamond, Secretary Defense (Hawaii's own) and/or
whomever will hear & know & put energy
into stopping this SDI madness.

The injustices which have been perpetuated on the
people of the island of Kurejake in the name of ~~state~~ ^{the} ~~U.S.~~ ^{defence}
~~defence~~ is ~~REASON~~ ~~ALONE~~ to halt the SDI program.
How can the U.S. ~~judge~~ other governing bodies for
human rights abuses when our own injustices continue
to foul the people ~~of~~ ^{of the Marshall Islands} ~~on the~~
name of this ridiculous expensive and ineffective
system. I am embarrassed to be an American
because of this. Name of God's Party will come
down on you personally General Diamond for
perpetuating this program of shooting missiles into the
Pacific for your ~~game~~ ^{benefit}. SDI is a waste of resources.
SDI threatens the environment, the economy & the essence
of life on Kauai & the Islands. STOP the Madness!!
I do not wish not support the SDI program at PURF on Kauai.
I do not want the SDI program to target us ^{as} you have done to the
the Alabamians as a launching pad or target as ^{you} have done to the
people of Kurejake. You move out of your home so the American
people as a target. stay out of the Pacific. AND GET A
REAL life!! ^{Long live} ~~Long live~~

WR137

April 4, 1992

General Hammond
U.S. Army Strategic Defense Command
Huntsville, Alabama

Sir:

I am a war veteran & tax paying

U.S. citizen. The SDI program is outrageously
wasteful, harmful to the environment
& (in general & its existence) perpetuates
human injustices.

This program must be stopped!

Keep the SDI Program ~~off~~ ^{out} of Kauai.

I do not want SDI missiles launched
from PURF on Kauai.

Melvin Long

WRI39

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given: why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,



Drake Sun. Jr.
P.O. Box 177
Kapaa HI 96746

March 24, 1992

Stanley E. Butler
Save the Whales International!
P.O. Box 619
Kilauea, HI, 96754

On the proposed launch of Strategic Target System vehicles from PMRF on the Island of Kauai.

Kauai, a sparkling gem in the vast ocean. A separate kingdom, isolated and insulated from the cares of the world. Word has reached us however that Peace has broken out.

The need to consider the risks to wildlife, the environment and public health for reasons of "national security", are no longer legitimate. The idea of testing a project that is at once useless and impossible are ridiculous.

It is time to face the real threat to our security, the systematic destruction of our life support system. Few people today would argue that this planet and its inhabitants are in dire strain.

The US military is the largest single source of pollution and the greatest squanderer of resources on the planet! We no longer have the need for developing or testing implements of mass destruction at any cost or possible cost, to our fragile planet and its inhabitants. Hawaii is the Aloha State. Aloha is love, mercy, and kindness. Is "Star Wars", or for that matter any activity whose purpose is the taking of life the kind we want on the Garden Isle?

PMRF had a budget of \$80.1 million in 1991. Would not that money be better spent restructuring the military to address the real threats to our security? Let us use our technology and enormous expenditures of resources on education, developing sustainable energy, environmental protection and rehabilitation.

In 1965, Adlai Stevenson, in his last speech as U.S. Ambassador to the United Nations said:

We travel together, passengers on a little spaceship, dependent upon its vulnerable resources of air and soil, committed for our safety to its security and peace, preserved from annihilation only by the care, and work and I will say love, we give our fragile craft. We cannot maintain it half fortunate, half miserable, half confident, half despairing, half slave to the ancient enemies of mankind, half free in a liberation of resources unrestrained of until this day. No craft, no crew, can travel safety with such vast contradictions. On their resolution depends the survival of us all.

Sincerely,



Stanley E. Butler
Save the Whales International!

WR140

The proposed SDI program at PMRF
is a sad statement of how the military treats
people that live around its bases. It is
frightening to me that the Pentagon can try
to dropseed the majority here on Kauai.
who do not want those missiles launched.
To teach at Hanalei School and I am
so afraid for the future generations to live
in a world that is not concerned with protecting
our environment. I feel the time is now to make
a stand against cold war projects
that take us backwards instead of forward. We
should choose peace and a clean environment
not war and destruction of our planet.
I encourage the U.S. Army to abandon
its plans for SDI testing on Kauai.

Della Addison

P.O. Box 1481

Hanalei, HI 96714

Strategic Target System Draft Environmental Impact Statement

Written Comment Sheet

1

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please be advised - my judgment concerning the testing of missiles on the island of Kauai is NO.

Please think about the impact of a catastrophic missile launch on this island. We are not totally isolated of course, but should this missile become contaminated, what would the people do for a safe supply?

I think we should be advised of the most favorable scenario. You consideration given to the execution of this. If the authorities feel they are prepared to deal with the delicate without measure, however, to cause no damage or land, perhaps I could reconsider my present judgment.

Name Arlene Fuller
Address 5316 Waiola Rd, Lihueville, Kauai
Street Address _____
City/State/Zip Code _____

14 96 922
Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR141

Written Comment Sheet

1

1

The proposed SDI program at PMRF
is a sad statement of how the military treats
people that live around its bases. It is

frightening to me that the Pentagon can try
to dropseed the majority here on Kauai.
who do not want those missiles launched.

To teach at Hanalei School and I am
so afraid for the future generations to live
in a world that is not concerned with protecting
our environment. I feel the time is now to make
a stand against cold war projects
that take us backwards instead of forward. We
should choose peace and a clean environment
not war and destruction of our planet.

I encourage the U.S. Army to abandon
its plans for SDI testing on Kauai.

WRI42

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not approve of missile testing on Kauai.

We are presently going through serious discussions, & trying to come to conclusion concerning both using the Hanalei River environmental impact is our chief concern.

Can you begin to imagine what the environmental impact of a catastrophic launch would be here on Hawaii?
If this island can not deal with a few jets in - what in the world can it do with missiles?

Please give our beautiful island a little more time & consideration
Name Richard J. Hickey
Address 5316 Honolulu, #1, Kauai, HI, 96701
City/State/Zip Code _____
Street Address _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: SSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WRI43

TO: Deputy Commander, U.S. Army Strategic Defense Command
ATTN: CSSD-EN-V (D.R. Gallien)
P.O. Box 1550, Huntsville, Alabama 35807-3801
FROM: Carol Bain, P.O. Box 2320, Puhi, Kauai, Hawaii 96766.

SUBJECT: Public Hearing Testimony delivered: March, 25, 1992, Linhue Convention Center, Kauai Hawaii
(written testimony below was delivered in part on above date)

"My name is Carol Bain.

Thank you, Lt. Col. Manguso, military officials and all in the audience for granting the three minutes to speak. Time is precious.

Thanks to the kind indulgence & cooperation of the military who are also providing technical services to allow the task of documenting this event on videotape to occur much easier. I am volunteering my time, tape and equipment in order to videotape this public hearing to allow it to be played back on public access TV. Particularly all of the individual testimony, and I commend you all for the courage to speak...I know its not easy, and because I am a volunteer tonight and not in the journalist role, my conscience tells me to speak. The reason I am putting this time toward the video documentation and subsequent playback, is to encourage an extended dialogue on the STARS SDI issue.

The United States of America was influenced during its most formative years by a free press, and our founders knew the value of an informed public: an informed public can be truly democratic. So, the more information the better.

By this time, a minute is up and you aren't sure whether I am an unpatriotic person who is threatening your job, or whether I am a tool of the military threatening the environment and lifestyles of the indigenous peoples of the Pacific.

I looked through the draft EIS, and the document is good because it shows the military paused long enough to write it. Though the document does not say present jobs at PMRF will be decreased, even their own employees don't believe the printed words as evidenced by their testimony here. It is not a matter of whether we all believe it or not, missiles are coming.

Who really knows why the military chose Kauai, one of the most beautiful islands in the Pacific, to try this strategic experiment with? And SDI-STAR Wars is like the biggest toy a rich boy could own. A missile goes up from California and 4000 miles away is shot down or crashes, near Kwajalein atoll. And March 13, 1992, they lost one sent up from Vandenberg, when an interceptor missile launched for Kwajalein missed the mock nuclear warhead. Something went wrong. Evidently, the military knows it can do this extremely technical feat most of the time, and they should be proud of the accomplishment. It really is impressive. So now the intent is to have a new launch site 2000 miles away and do more of this only from another angle. What can be learned from this knowledge? To see if Polaris Missiles are as old and dangerous as they look? Maybe we are testing a new launch pad, or the efficiency of a new angle of trajectory. Or if the rocket fuel, whose description on page 59 in the draft EIS should scare anyone who wants to live a long and fruitful life, can be shipped safely over the Pacific.

What we aren't told is: What are we going to learn about missiles. We don't already know, and is it worth the costs...on all levels? Maybe we could all pitch in to help if we could just be told why STARS on Kauai is so needed. It can't be merely to see if we can send a missile 2000 miles. But of course, I am not on the list of those with a need to know, and neither is anyone in this room. Could it be that this experiment is just to see if the people on Kauai, and the U.S., are gullible enough to accept and pay for SDI here?

WR143 (cont.)

WR143 (cont.)

The missiles are coming. I and the rest of the media are here to take pictures of both the successful launches and the major malfunctions. And, yes, there will be accidents. And though I won't send the exploding rocket visuals to CNN, some journalist will. Visitors will definitely cancel Kauai reservations. No one in their right mind wants to be around exploding, dangerous missiles?

I have delayed the launches by 3 minutes. I encourage you all to do the same. Thank you.

PS : Questions, other than those italicised above, I would like answers to. I could not find the answers in the Draft EIS, perhaps I overlooked them. If you could answer them I would feel less worried about all of this. Please send responses to Carol Bain, P.O. Box 2320, Puhi, HI 96766

1. Will Kauai residents get a timely (within 3 months) report on the failures as well as the successful launches at PMRF? What kind of report and what will be included?

2. I know you will try your best not to have an accident but if an accidental spill of any toxic fuel or other hazardous materials occurs, wouldn't it be too dangerous to ship the contaminated items/dirt or whatever back to the mainland? Would they be buried on Kauai in some "safe" place, above the water table? Where will it be stored? Can it be marked so well so that 30 years from now we will not accidentally build over it?

(Carol D. Bain

Mar. 13, 1992

6 April 1992

The Deputy Commander,
US Army Strategic Defense Command,
CSSD-ENV [D.R. Gallien],
P O Box 1500,
Huntsville,
AL 35807 - 3801,
UNITED STATES OF AMERICA

Dear Sir,

We read with concern that the US Army Strategic Defense Command intends to continue testing the costly Strategic Target System (STARS) programme from the Pacific Missile Range Facility at Barking Sands on Kauai Island, HAWAII. This would involve the launching of four missiles annually for the next ten years.

Undoubtedly it will be declared that this programme will have minimal effects on the environment because your environmental impact statement suggests this. Also with the end of the Cold War upon us, this programme will provide the defense industry with assured contracts and continuing employment and so avert a delicate political dilemma. Finally such a programme would be a technological point-scoring for the United States. Is this not all a very U.S. oriented scenario?

We of the Pacific invite you to extend your vision beyond your shores. These rockets will be aimed towards Kwajalein Atoll in the Marshall Islands where they will test missile detection equipment. Kwajalein is the largest atoll in the world. It is home to some 3,000 US Servicemen and their dependents who enjoy a comfortable and secure lifestyle. Two islands away is Ebeye, a little over one mile long and seven hundred and fifty feet wide. This is home to 10,000 Marshallese, mostly displaced, some of whom are permitted to work on Kwajalein. This is all as it is so that the US Army testing programme may continue.

The Marshall Islands, Sir, consist of two parallel chains of atolls. The eastern chain is called Ratak, meaning Sunrise and the western one is called Ralik or Sunset. This 800 mile chain does sound like the original Pacific paradise, does it not?

However, Sir, permit me to briefly recall the occupancy history of some of these islands in the past 50 years:

Majuro Atoll	-	World War II base of US operation.
Miti Atoll	-	Japanese World War II base.
Bikini Atoll	-	Site of atomic and hydrogen test bombings in the late 40s and 1950s. Its lagoon is peppered with American and Japanese target ships.
Enewetak Atoll	-	A nuclear testing region. Runit Island has a concrete slab that encloses the island's contaminated materials.
Maleolap Atoll	-	A Japanese base in World War II with a Japanese troop ship submerged in its lagoon off Tarao Island.
Jaluit Atoll	-	Japanese headquarters during World War II and home to thousands of Japanese during the Wars. /2

[2]

I consider the above profile sketches speak for themselves. It is a recent history written in the context of war.

Finally there is Kwajalein Atoll, home to a US missile testing base. Sir, may I suggest to you that the Marshallese, and the Pacific Island people in general, are tired of being unwilling hosts to military and strategic programmes imposed by larger outside nations. We ask that your Government cease these operations in a world where warfare is realistically a diminishing prospect and short term economic gain is your only incentive.

The Pacific Conference of Churches, [PCC] is a regional ecumenical organisation made up of some 31 member churches, National Councils of Churches and Bishops' Conferences. It speaks for 90 per cent of all Pacific Christians.

Sir, I write to you on behalf of these Pacific people. My mandate derives from their delegates meeting in the 6th General Assembly of the PCC which passed resolutions to this effect. I am instructed to convey this matter to you by the PCC Executive.

I would therefore ask your Government to halt the Strategic Defense Initiative testing programme and thereby cease to use the Pacific as a backyard and dumping ground for the United States of America.

I look forward to your response in this matter.

Yours faithfully,

J. Salamonsen
Secretary for Justice, Peace and Development

1

WR145

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this Public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am for the PROTEST STAKES Project. The Findings I find is very normal. I think the test for STAKES would be very useful to free Island.

Thank You.

1
 66 acres for 9,000 ft. Hand over the U.S. have the audacity to say a growing population can live on such a small land area. They take away the Marshallese Culture, Polluted their lands & the minds of such simple loving human beings. How can the U.S. say it is alright to sacrifice native natives for the betterment & safety of the U.S., a great god for greater people for totalitarians + totalitarians. It's not the concern & lifestyle of the Marshallese not important? How in that case Nuclear weapons to save our country has the right to jeopardize the lives of others. Has the government shaped so bad as to take away simple as

Name Daniel J. Mendez
Address P.O. Box 357, Anahola, HI 96703

Street Address

City/State/Zip Code

1
 Name Kaanchiota Lani Aki
Address P.O. Box 357, Anahola, HI 96703

Street Address

City/State/Zip Code

WR146

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this Public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am for the PROTEST STAKES Project. The Findings I find is very normal. I think the test for STAKES would be very useful to free Island.

Thank You.

1
 66 acres for 9,000 ft. Hand over the U.S. have the audacity to say a growing population can live on such a small land area. They take away the Marshallese Culture, Polluted their lands & the minds of such simple loving human beings. How can the U.S. say it is alright to sacrifice native natives for the betterment & safety of the U.S., a great god for greater people for totalitarians + totalitarians. It's not the concern & lifestyle of the Marshallese not important? How in that case Nuclear weapons to save our country has the right to jeopardize the lives of others. Has the government shaped so bad as to take away simple as

Name Daniel J. Mendez
Address P.O. Box 357, Anahola, HI 96703

Street Address

City/State/Zip Code

WR145

Strategic Target System

Draft Environmental Impact

Written Comment Sheet

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

It seems to me that we are in the position of opportunity. Here opportunity. A new world order is struggling to assert itself. We are at a crossroads. An enlightened age beckons us. But fears of a sober time are plaguing one policymaker. Fears of a cold war era, of a bipolar world. STAES is a vestige of this past. It is not a hopeful future if we allow the cold war mentality to fester as exploitation of Pacific islands and people. Direct our vision and energy to helping not arm ourselves against what doesn't think we

Name Craig Dreyer
Address 4934 Hinsdale Rd.
Street Address
City/State/Zip Code Kansas, 67201

Please hand this form in as mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:
Dwight Green

U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Deputy Commander

WR149

1334 Ilimae Place
Kapaa HI 96746

April 7, 1992

To Sen. Daniel Inouye and Mr. Randy Gallien, [1]
I am a student at Kauai Community College. My English class has been researching the STARS controversy and I would like to give you my statement, thus far.

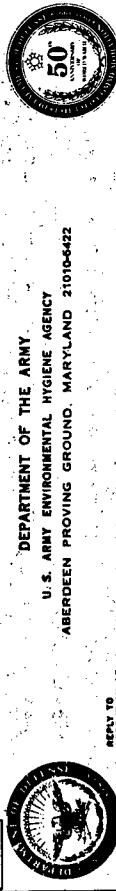
at the beginning of my research paper, I felt against the STARS program, in which I wrote my paper against it, however, as I read all the material for and against STARS, I feel my view has changed. I feel the Army has done a wonderful job of answering all questions the opposers have. Also, I admire the military's professionalism in addressing some weird environmentalists. However, I think there are still questions to be answered. Keep up the good work. Thank you more

WR150

1
To Sen. Daniel Inouye and Randy Gallien. April 7, 1992
I feel about the other project should go on, due to going with the PIAA, because since I always agreed with the military in what they are doing, and how it's project us from any kind of danger. Then they should do something if launching the missile by Korea. Then I ready don't mind and I support PIAA.

DeeAnn Takihara

WR151



DEPARTMENT OF THE ARMY
U.S. ARMY ENVIRONMENTAL HYGIENE AGENCY
ABERDEEN PROVING GROUND, MARYLAND 21010-6322

ATTN TO:

ATTN TO:

HSHB-ME-AQ (40)

13 April 1992

MEMORANDUM FOR Commander, U.S. Army Strategic Defense Command,
ATTN: CSSD-RN-V (D.R. Gallien), P.O. Box 1500,
Huntsville, AL 35807-3801

SUBJECT: Review of the Draft Environmental Impact Statement for
the Strategic Target System, February 1992

1. The comments and recommendations on the above subject document are enclosed. Recommend addressing the comments and resubmitting the revised document for review prior to finalization.

2. The scientists and engineers reviewing this document were:
 Mr. Jeffrey S. Kirkpatrick, Air Pollution Engineering Division;
 MAJ William F. Legg and Mr. Wayne Hardcastle, Waste Disposal Engineering Division; Ms. Jennifer Breen, Water Quality Engineering Division; Dr. George A. Iuz, Bio-Acoustics Division;
 Ms. Jennifer Houser and Mr. Ralph Rogers, Industrial Hygiene Division.

3. Our point of contact for technical questions is Mr. Jeffrey S. Kirkpatrick, DSN 584-2510/2509 or commercial 410-671-2510/2509. Additional comments or concerns may be directed to Mr. Thomas L. Guinivan, Chief, Air Quality Management Branch, Air Pollution Engineering Division, DSN 584-3500/3954 or commercial 410-671-3500/3954.

FOR THE COMMANDER:

Thomas L. Guinivan, P.E.
Chief, Air Quality Management
Branch
Air Pollution Engineering
Division

Encl:

CF: RODA (SGPS-PSP); ATTN: COL Fitz
 CDR, HSC, ATTN: HSCL-P
 CDR, USAEHA, ATTN: HSHB-ME-SH

Nationally Recognized as the Center of Meritized Occupational and Environmental Health Excellence

**COMMENTS AND RECOMMENDATIONS
DRAFT ENVIRONMENTAL IMPACT STATEMENT
FOR THE STRATEGIC TARGET SYSTEM**

FEBRUARY 1992

1

2

3

1. Reviewer: Mr. Kirkpatrick
 Page E-5, Air Quality
 Comment: It is stated that air samples will be collected during the first demonstration flight to validate the accuracy of the models and to evaluate compliance with federal and state standards. The draft STARS EIS does not contain a section which describes the monitoring procedures to be used for collection of applicable air samples.

Recommendation: Consider revising this section to state where, in the draft STARS EIS document, one can find information on the procedures to be applied for air sample collection.

2. Reviewer: Ms. Houser and Mr. Rogers
 Page 2-15, Propellant Storage and Transfer Operations
 Comment: The hydrazine and nitrogen tetroxide holding areas will be monitored for leakage by SNL and PMRF personnel. However, there is no mention of whether personnel or area monitoring will be performed (and by whom) during propellant on-loading and/or off-loading operations.

Also, there is no mention of whether off-loading will occur in the event that the rocket is not launched.

Recommendation: State whether personnel and/or area monitoring will be performed during propellant on-loading and/or off-loading operations, and who will conduct the monitoring. Also, state whether or not off-loading will occur in the event that the rocket is not launched.

3. Reviewer: Mr. Hardcastle
 Page 2-29 Construction Activities at Kauai Test Facility
 Comment: The statement for the proposed construction of a "shelter" at KTF, relative to the STARS for a decontamination pad and for temporary hazardous waste staging, does not provide for complete segregation for hazardous waste storage or spill containment.

Recommendation: Include a statement for compatible waste segregation for hazardous waste storage and spill containment in the final EIS.

WR151 (cont.)

4. Reviewer: Mr. Kirkpatrick
Pages 2-29, 2-30
Comment: A duplicate copy of pages 2-29 and 2-30 appear in the draft STARS EIS.
5. Reviewer: Ms. Breen
Page 3-9, Section 3.2.1
Surface Water Quality
Comment: It is stated that the results of the study of surface ponds in the Mana Plain/KRF area do not indicate residual hydrogen chloride effects of past launches at KRF. However, there is no data shown which measures the chloride level in ponds before any launches in order to support this comparison and conclusion. The high levels of chloride in the samples near the KRF are assumed to be caused by the close proximity to the Pacific Ocean and the result of infiltration of sea water. This is not supported, however, by the relatively low chloride concentration found in sample point PP which is appears to be about the same distance from the Pacific as sample point WR. Unless sample point PP differs greatly in geological and other physical characteristics from sample point WR, this reasoning of sea water infiltration does not seem valid.

2-137

6. Reviewer: Dr. Luz
Page 3-41
Comment: The suggestion is made that a day-night level of 75 decibels "is equivalent to the sound generated by a home garbage disposal." The reference to support this statement is Figure 3-11, which lists the noise level at three feet from a garbage disposal as being approximately 77 decibels. As it stands, the comparison is incorrect, because it fails to recognize that the day-night level is a 4-hour average. Thus, we cannot equate a garbage disposal to a given decibel value of day-night level unless we know the duration of the garbage disposal operation. In this case, there is a simple fix, since a garbage disposal operated for the fifteen daytime hours specified in the day-night level (0700-2200) with a background level of 45 decibels during the night hours would give an Ldn of 74.9 dB.
7. Reviewer: Ms. Breen
Page 3-43, Section 3.11.3
Wastewater
Comment: The septic tanks are noted to have been designed for maximum usage expected for KRF and Strategic Target Systems activities. The design criteria should be better defined in numbers of population that the tanks and leach fields are able to support and consideration should be given to whether the launch pad activities will increase personnel numbers and therefore wastewater treatment needs.
8. Reviewer: Ms. Breen
Page 3-43, Section 3.11.3
Wastewater
Comment: The septic tanks are noted to have been designed for maximum usage expected for KRF and Strategic Target Systems activities. The design criteria should be better defined in numbers of population that the tanks and leach fields are able to support and consideration should be given to whether the launch pad activities will increase personnel numbers and therefore wastewater treatment needs.
9. Reviewer: Ms. Breen
Page 4-5, Section 4.2.4
Mitigation Measures
Comment: All mitigation measures are based upon the assumption that there is no chance of ground water or drinking water contamination. There appears to be no research done on the toxicity of the possible contaminants in drinking water and to the surrounding lifeforms that may live in the surface waters. Since the chance of contamination was not considered, no treatment methods were researched. The spill plans included in section 4.9 and 4.10 do not mention any method of deterring infiltration of spilled hazardous material into the groundwater.

2

3

WR151 (cont.)

Recommendation: A mitigation plan should be prepared for the unexpected. The actual spill plan and clean-up methods to be employed should be included in order to determine their adequacy.

10. Reviewer: Mr. Kirkpatrick
Page 4-7, Air Quality Modeling
Comment: Modeled ambient air concentrations, using the TRPUPF and the REEDM dispersion models, are given for the pollutants of concern. However, actual modeling input and output files are not given in the draft STARS EIS to confirm that the listed concentrations have been accurately modeled.
- Recommendation: Include both the TRPUPF and the REEDM dispersion modeling input and output files in the final STARS EIS.

11. Reviewer: Mr. Kirkpatrick
Page 4-7 through 4-22, Air Quality Modeling
Comment: Throughout the Air Quality Modeling Section, modeled pollutant specific concentrations are given for specified downwind distances. Without the input and output TRPUPF and REEDM data sets to critique, it is difficult to determine if these "downwind" distances are direction specific radials or concentric distance radials.
- Recommendation: Include additional information on the definition of the specified downwind distances from the TRPUPF and REEDM model outputs.

12. Reviewer: Mr. Hardcastle
Page 4-45 Hazardous Materials and Waste
Comment: It is stated that the entire Pacific Missile Range Facility (PMRF) is considered a single facility under the Resource Conservation and Recovery Act (RCRA), and that the Strategic Target System (STARS), Kauai Test Facility (KTF), is a tenant on the PMRF which must comply to the standards applicable to the PMRF. Since the PMRF is a large quantity hazardous waste generator, tenants on its property, including the KTF which use the same EPA hazardous waste generator's number, must conform to the inspection, storage and training requirements designated for full generators.

Recommendation: Establish guidelines for the strategic Target System's hazardous waste staging facility and operating personnel, which meet the storage and training requirements of the RCRA for full hazardous waste generators (40 CFR 262.34, 265.16 and the applicable sections of Subpart I of 40 CFR Part 265).

WR152

6/90 Kuamoo Rd
Kapaa, HI 96746
April 6, 1991

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallier)

P.O. Box 1500
Huntsville, AL 35807-3801

Dear Sirs:

I feel that it would be irresponsible for the Army to jeopardize the unique, clean, fragile and accessible environment of Kauai by test firing 20-yr old refurbished rockets from PMRF.

Thank you.

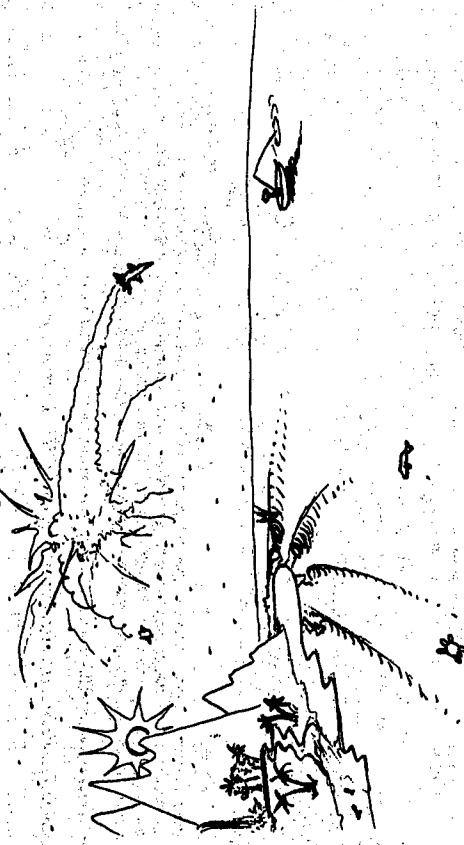
Sincerely,
Rebecca Lee Solomon

WR155

Dear Senator Enouye & Mr. Gallen

I am greatly against the testing of
S.T.A.R.S. missile experiments.
I have read they are not safe or
healthy for the environment here

on Kauai please take them elsewhere



*Joseph Thompson
P.O. Box 3232
Princeville, Kauai, HI 96722*

WR156

April 8, 1982

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Biomiminated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

*Joseph Thompson
P.O. Box 3232
Princeville, Kauai, HI 96722*

WR158 April 10th, 1992

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.

2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.

3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.

4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Valerie Williams

Valerie Williams
4796 Pelehu Road
Kapaa, HI 96746-1831

Aloha Senator Inouye, Mr. Cooper, Mr. Gallien and anyone else involved with the SDI project decision;

I am a resident of Kauai and I am writing to you today to voice my extreme opposition to the SDI program that is scheduled to begin soon at PMRF, here on Kauai.

I firmly believe that this would be a tragic mistake.

An old Chinese proverb states: "If we don't change direction.... we are going to end up exactly where we are headed." We are rapidly destroying the very planet that we live on and should be striving to protect. "We have "Foune the enemy..... and they are us."

I believe that 'National Security' is vitally important; but not at the expense of threatening our life - sustaining global environment - what's the point? A "safe country" in a world unfit to live in - who cares?

The U.S. Army and the U.S. government in general have a moral and a social responsibility to the citizens of the United States, and of the world - and not just to this generation, but to all the future generations yet to come.

"We did not inherit this Earth From our ancestors..... we are borrowing it from our Grandchildren"

Accidents do happen. They have happened - they are happening - and they will continue to happen (in particular with antiquated equip.)
A mishap here could be devastating; For those of us who live here on Kauai, for our tourist based economy, and in particular for one of the most beautiful & pristine places on God's Earth.

I am totally opposed to the entire SDI project; however, if it must continue, please do it somewhere that the U.S. gov. has already abused and polluted - and not here on Kauai.

\$35 billion dollars would go a long way towards cleaning up the Jane Fifi toxic waste sites strewn throughout our country and the world by the U.S. Gov. in the name of 'National Defense'. Let's get our priorities straight - Now! Before it's too late -

Respectfully and Optimistically,

Doug McKibbin
P.O. Box # 3914
Honolulu, Hi. 96714

WR159

4/7/92
Carl Allison
P.O. Box 1981
Honolulu HI 96714

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Carl Allison

WR160

Josh Bobbison
 P.O. Box 1481
 Hanalei HI 96714
 4/7/92

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

1 Senator Daniel Inouye and Mr. Randy Gallien,
 I continue to have serious concerns over the STARS program.
 The recent EIS has not alleviated those fears. The EIS was not specific and quantifiable in giving base line figures as to what "no significant impact" on our environment means. Where is the specific documentation with figures that allowed that conclusion to be reached? Where is the rest of the report? Generalities can and do mask many figures that one might not want known.

2 The EIS says there is a 97% operations reliability per launch. Sounds good. What is the probability that two launches are totally successful? Ninety-seven per cent to the second power equals ninety-four percent. When one continues to see the probability of all 40 launches being successful - 97% to the 40th power -(using the standard math formula for probability of success), it turns into an appalling 30% probability of success! Is this figure significant to you? This is not an emotional argument. It is a factual mathematical one.

1 I support the PMRF base here on Kauai. It is an important asset. I do not, however, support the testing of a weapons program of questionable and limited use that has a price tag of billions of dollars, has a 70% probability of at least one launching error, has an incomplete EIS, and impacts on so many peoples lives.

2 This goes beyond being an argument about Kauai people, quality of our lives and those in the Marshall Islands. The STARS program should not take place at any time in any country. The Price is beyond reason.

Sincerely,

Yvette Bambas
 Yvette Bambas

WR162
12 April 1992

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To: Senator Daniel K. Inouye
Mr. Randy Gallien
Subject: Strategic Target System

Gentlemen:

I feel I must respond to the proposed Strategic Target System vehicle launches at the Kauai Test Facility, PMRF. It's an issue that concerns me deeply, an issue that has intruded upon our lives on this island.

I strongly deplore the military's plan in accommodating and seeing this proposal through. The testing of refurbished rockets as part of an SDIO program, has no place on very fragile island environment like Kauai - a nature wonderland of imposing physical beauty, with a natural, rural lifestyle of precious bygone days. We MUST preserve and protect what we have and not let the greater powers that be dictate our livelihood and future for this island.

I concur with Representative Patsy Mink's assessment of the DES, and feel that many valid points were raised in her testimony. Among them, the summary dismissal of many issues as "small risk", "unlikely", "all precautions will be undertaken", "insignificant", "no impacts anticipated", and "very little hazard". Such comments beg a quantifiable explanation, and does not alleviate my concerns. Little attention has been paid to alternative actions, or alternative plans, implying that it should be the US Army's way or, the "No Action Alternative". We are left with an all or nothing proposition.

My fellow Kauaians who work at PMRF should be granted assurances by the US Navy, the US Army, and government officials that this proposed project, if not implemented, does NOT mean a sentence of closure for the base facility. Not enough assurances have been directed toward this major concern.

Missile launches and testing as part of SDI, is not the kind of projects I'd want secured, for the survival of this base. PMRF needs to focus on alternate activities and projects that provide personnel, crew, and technical training. PMRF should not be expanding its infrastructure that will change the landscape or seascape, ie. upgrading the launching pads, building rocket and fuel storages, or constructing a dock-landing site for transportation of liquid propellants.

The land upon which the base rests is not one to be sculptured and defaced in the name of national security. Nor should the we tamper with the delicate social and spiritual fabric of our community until we have weighed, very seriously, the potential outcome.

I thank you for allowing me to state my concerns.

Mahalo,

Gerald M. Hirata
Gerald M. Hirata
P.O. Box 565
Hansapepe, HI 96716

1
I believe that PMRF should continue as an underwater testing range for surface ships and aircraft.⁵ Its agenda, however, should not be expanded to include

the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Ariane and other missiles, as the Army wants to do, is not needed.

According to the insert in the Draft of the EIS headed "Strategic Target System: Project Overview" (March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these

years, evaluation should be made on another system. If the proposed launches at PMRF are approved, Hawaiian Crown Lands, including cultural, spiritual and other archaeological sites, will be affected to the point of desecration.

For example, the hazardous materials would be stored on Hawaiian Homelands adjacent to PMRF. Burial grounds will be affected. Surely, one would not consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery!

Name Karl Lo
Address P. O. Box 887 Koloa, HI 96756
Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR165

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

If the EIS for the Strategic Target System had been made by an impartial agency, it would be easier for residents like me to believe in the sincerity of the proponents of the STARS program at Pacific Missile Range Facility (PMRF).

As a concerned resident I strongly recommend that the U.S. Army STRATEGIC DEFENSE COMMAND take the NO ACTION ALTERNATIVE: i.e., NO STARS LAUNCHES AT PMRF. Although this is a personal statement, I know that there are hundreds -- in fact, thousands -- of Kauai residents who feel the same I do, but who are not taking the opportunity to express their opposition because they believe the issue has been decided and that the hearings, pronouncements, letter writings, telephonings, and other efforts to stop the STARS project are all exercises in futility.

I surely hope that they are wrong because the decision makers must listen to the people of Kauai and take into consideration the concerns of the people who call the Garden Island "Home."

I have a number of concerns. First, the STARS launches will release an alarming amount of freon into the atmosphere, depleting the ozone layer, and endangering plant and animal life, including human life. Second, the launches will have a psychological impact on the people of Kauai who fear potential hazards and mishaps that could be catastrophic. Third, cultural and historical sites would be affected. Fourth, the STARS launches run counter to peace initiatives.

I should continue enumerating my concerns, but I'll add just one other observation: the STARS launches are not necessary for the security of the United States. The project serves no useful purpose!

Name _____ Catherine P. Lo

Address _____ P. O. Box 887 Koloa, HI 96756

City/State/Zip Code _____

Street Address _____

City/State/Zip Code _____

Street Address _____

City/State/Zip Code _____

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Poli C. Oliver
P.D. Bldg 87
Koloa, Kauai, HI 96756

April 3, 1992

Son - Lucy
Washington, D.C.

Dear Senator Lucy,
 I have written to you before on this issue of the proposed STARS program & the missile launcher from PMFR. I am very much opposed to this program. and I gave public testimony to that effect at the hearing held by the Army last week here on Kauai.
 I am writing though now to let you know that as a long time resident of Kauai, I fully support PMFR. I voiced this in my recent testimony. I would like to see this year remain open & a part of the diverse economy on Kauai.
 I hope that the future of PMFR will not be dependent on the funding of the STARS program. Thus, Please, keep PMRF - but NO STARS on Kauai!
 Sincerely yours,

Poli C. Oliver

DENNIS J. OLIVER
P. O. BOX 87 - KOLOA, KAUAI, HAWAII 96756

WR167

Strategic Target System
Draft Environmental Impact Statement

1
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*To those I doth support, StarWars
We can not have it here in Kauai
It just stop. The Island will die
With no forest.*

April 4, 1992

1
Senator Daniel Inouye
Washington, D.C.

Dear Senator Inouye,

I wish to convey to you my earnest desire to see the Navy Facility at Barking Sands on Kauai remain open. I have lived on Kauai for over 20 years and have always felt that PRR was an asset to our island community.

I also want to take this opportunity to express my adamant opposition to the proposed STARS rocket launches from PRR. I hope you will do everything in your power to see to it that Kauai not have this program here on Kauai.

Thank you for your assistance in this matter.

Sincerely,

Dennis J. Oliver

Name *Dennis J. Oliver*
Address *P.O. Box 78 Hanapepe, Kauai HI 96744*
City/State/Zip Code *Hanapepe*

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3501

WR168

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

1
Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I stand opposed to the
Star Wars
Belt & do support MAD

I am opposed to the
Star's Program on
Kauai. The Target/
environment of Hono'ula
could not sustain any
type of accident that
results from negligence
at the missile range.
STARS does nothing to
further secure our
National Defense. Please
stop this program now.

Sincerely
Frank Henderson
Box 827
Lihue HI
96754

WR173

April 1, 1992

As a mother, and a long
time resident of Kauai,
I am completely opposed to
any missiles on Kauai; any

I moved to this wonderful
island at great expense to
live a life free from
the poison of warfare.
It would be a crime against nature.

Bonnie Miller
P.O. Box 983
Dinahola At 96703

Troblette WINNIGER
P.O. BOX 612
KICANEA
HAWAII
96754

WR172

4/31/92

Dear Senator Nouye
and Mr. Gallen,

I am asking you please
to stop the short waves on
Kauai.

I am against any missiles
here or anywhere on the
world.

Mahalo

↓ winniger

Troblette WINNIGER
P.O. BOX 612
KICANEA
HAWAII
96754

THE PACIFIC ECUMENICAL FORUM

3-31-92
To Senator Inouye and
Mr. Goldwater,

I am pleading with you to please stop the Star Wars program from coming to Hawaii. It is dangerous; it there are no aduostages to bringing it here. I have nothing against P.M.R.F - just the SDI project.

Mahalo,

Rulyn Star
RUBY STAR
P.O. Box 959
Kilauea, HI
96754

WRH75

7 April 1992

The Deputy Commander,
US Army Strategic Defense Command,
CSSD-EN-V [D.R. Gallien]
P O Box 1500,
Huntsville,
AL 35807 - 3801
UNITED STATES OF AMERICA

Dear Sir:

RE : THE PROPOSAL OF STRATEGIC TARGET SYSTEM [STARS]

The news of the [heartless] proposal mentioned above has stunned our Christian communities here in the West Coast of America, Asia and the Pacific.

The proposal stated a 10 year programme of four annual launching, which would be aimed towards Kwajalein Atoll, where the military would test its missile detection and interception systems.

Allow me to bring to your attention that the Kwajalein Atoll is a cluster of many small islands circling the most beautiful and largest lagoon in the world. None of these islands are more than a few meter above sea-level. Some of them are still inhabited by the Marshallese with the exception of Roi-Namur, Meck and Kwajalein.

We, the Christian people of the West Coast of America, Asia and the Pacific, who make up the Pacific Ecumenical Forum and the Marshall Islands is a member) urge you to review your mission for the next few years. The people whose lives will be endangered by the effects of radio-active and fall-outs together with psychological effects resulting from such dangerous games; "a target of opportunity" are your own brothers and sisters [the citizens of USA and the Marshallese].

I would therefore ask your Government to halt the Strategic Defense initiative testing programme and thereby cease to use the Pacific as a backyard and dumping ground for the United States of America.

I look forward to your response.

Yours faithfully,

Sister Pesio Losafio SMSM
PEF Co-ordinator
200 2nd Street, Suite 100
Tucson, AZ 85701
Tel: (520) 726-2200
Fax: (520) 726-2201

Mr Ronald S. Fujiyoshi
Ms Elizabeth Freeman

WRH74

WR176

April 2, 1992

Senator Daniel Inouye
U. S. Senate
Washington, DC
Attn: Randy Gallien
Dear Senator Inouye:

I want to voice my support for PMRF. Also I want to express my opposition to SPARS.

First of all, the effectiveness of STARS as a defense concept has been challenged by experts in many fields, and those who promote the program most often are those whose self-interests are involved.

Secondly, there are enormous needs which we have as a nation (and which we also have as an island), and while in more affluent times the allocation of large resources to an experimental program might be acceptable, in today's economy it simply doesn't make sense to me.

Finally, and most importantly of all, Kauai's environment is too fragile and the long range welfare of all of Kauai is too dependent on the maintenance of the special nature of that environment to take any chance on anything that might negatively affect it.

I know from your support in the past of Kauai preservation projects, such as the establishment of the Crater Hill Wildlife Refuge, that you care about Kauai. I urge you to act also in this instance as an advocate of the people of Kauai and of the island itself.

Sincerely,

Jane Stark
Box 398
Kilauea, HI 96754

WR177

April 3, 1992

1
Dear Senator Inouye and Mr. Gallien,
I am writing you to express my opposition to the SDI/Star Wars missile launch program, proposed for Kauai. Let me say that while I am not opposed to the PMRF as it now exists, I am concerned about the negative impact of the proposed launches on the environment and on the quality of life here on Kauai. Please don't allow Star Wars missile launches from Kauai.

sincerely,

Skip Templeton

Skip Templeton
PO Box 1224
Hanalei, HI 96714



WR179

P.O. Box 887
Koloa, HI 96756

MEMORANDUM

TO: Senator Daniel K. Inouye
Commander D. Randy Gallien
SUBJECT: STARS Launches on Kauai

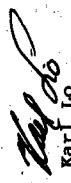
I believe that PMRF should continue as an underwater testing range for surface ships and aircrafts. Its agenda, however, should not be expanded to include the testing of space-based nuclear defense weapon systems. The testing of the Polaris, Aries, and other missiles, as the Army wants to do, is not needed.

According to the insert in the draft of the EIS headed "Strategic Target System: Project Overview" (March 1992), these tests have been ongoing for over thirty years. If the United States cannot find an effective system after all these years, evaluation should be made on another system.

I'm opposed to STARS launches at PMRF because Hawaiian Crown Lands, including cultural, spiritual, and other archaeological sites will be affected to the point of desecration. For example, hazardous materials would be stored on Hawaiian Home Lands adjacent to PMRF. Burial grounds will be affected. Surely, one would not consider launching missiles next to Punchbowl Cemetery or Arlington Cemetery!

Please stop the proposed STARS project on Kauai.

Sincerely,


Kari Lo

April 8, 1992

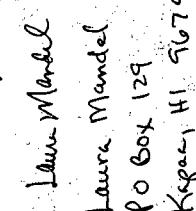
Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,


Laura Mandel
P.O. Box 129
Kapaa, HI 96746

WR100



April 6, 1992

Diane Jagger

Senator Inouye

As we resident of Kauai

I would like to say

that I support PMRF

and believe it is an

asset to our community

But I do not support

the Stars project and

I know that there are

many other uses PMRF

could have in the military

that would support the

base, Kauai, the environment

and our life style

Makalo

Diane Jagger

1951 Muku Pl
Koloa Kauai, HI 96756

WR181

9/17/92

1

To Senator Inouye and Mr. Stark Collection

I am again writing to you regarding the stars mission for the STARS program at Kauai. I feel the missile may have hit the ground in error.

Sincerely,

Emilia Luzzo
Emilia Luzzo
P.O. Box 323
Waimea, HI 96796

Senator Daniel Inouye
Mr. Randy Gallien

April 4, 1992

Dear Sirs:

It is difficult for me to imagine the possible negative outcomes if our island were the STARS missile launching from Barking Sands to Kauai in all to be approved. Potential accident, noise, pollution, one depletion, becoming more of a target for hostile forces; who knows what types of things would be in store for us if STARS became a reality on Kauai.

Although it is difficult to imagine an small island suffering such degradation, I'm certain the people of Kauai can never dream that their island would suffer its fate either. Would you want such damage with seemingly little to gain for any Americans to begin in your home town?

Please do whatever you can to keep STARS launching away from Kauai, and please question, on my behalf, the necessity of a STARS program at all. Thank you.

Sincerely, Jilda Leonore Kai
3735-C Diamond Rd
Ko'Olina, HI 96756

April 8, 1992

Senator Inouye & Mr. Gallien,

WR163

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location is this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there without adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Mark Mandel

P.O. Box 129
KAPAA, HI 96746

April 9, 1992

To Whom it May Concern -
The time has come to say Yes to the
vision of peace that we hold for this planet -
our only home. The time has come to honor
the sacredness of the lands that the United
States Government took from the Native Hawaiian
people. The time has come to remember the
Golden Rule when we think about what has
been done to the Marshallese packed like
sardines onto a tiny atoll in the Pacific. The time
has come to stand up for our Mother Earth and her
fragile life sustaining atmosphere.

How can the EIS prepared for the STARS program
claim to have no significant impact on the environment
when it desecrates the sacredness of the Hawaiian
lands that the missiles will be launched from? When
it displaces an entire people from their home and
culture? When it threatens to destroy more of our
precious ozone layer? And when it has divided the
people of this island into opposing camps?

We must begin now to heal the sense of
separation among all people. Our Earth is

1

too small and our environmental challenges
too pressing to not realize that as we move
into the 21st century we must become
World Citizens, united in Harmony.
I oppose the STARS program in any
form.

Sincerely,
Lisa de Treux Jansen

P.O. Box 493
Kilanea HI
96754

WR184 (Cont.)

WR184

WRIS

April 3, 1992

4332 Neali Place
Koloa, HI 96756

Dear Senator Inouye and Mr. Gallien,

I am writing to oppose the STARS missiles on Kauai. While I believe that the Pacific Missile Range Facility serves an important purpose as one of the premier areas in the country for underwater fleet training, I do not support the base as a place to launch larger missiles like STARS.

As a nurse, I am deeply concerned about the health effects of these launches. First, it is documented in the Army's Draft Environmental Impact Statement that the twenty-year old Polaris missiles will emit hazardous chemicals such as aluminum oxide and hydrochloric acid into our atmosphere. Even a small amount of excess acid in the air can cause breathing problems in humans. Research has linked aluminum oxide with Alzheimer's disease. In addition, should a rocket missile need to be exploded, hydrazines and nitrogen tetroxide will be released--extremely deadly chemicals that could contaminate our land, sea, fresh water and air.

Second, the STARS rockets will release 90 kilograms of freon four times per year for the next ten years. According to a NASA report dated February 1992, the ozone layer over Kauai shows a 10 percent drop in density, which means that 20 percent more harmful ultraviolet radiation is being allowed to penetrate, which increases our already-high potential for skin cancers, cataracts, and immune system damage. From a health practitioner's perspective, this destruction of the earth's ozone layer must stop, or we will all suffer the consequences. What good can such missile tests do when we are suffering from cancer, cannot go out in the sun, and when there is no fresh air to breathe?

Thank you for your attention.

Sincerely,

Nancy Tyler, R.N.


3735-C Omao Road
Koloa, Kauai, HI 96756

April 4, 1992.

Senator Daniel Inouye
Mr. Randy Gallien

Dear Sirs:

As a concerned citizen of Kauai, I am writing to you to implore you to oppose the launching of STARS missiles from Barking Sands. The reasons I am against these launchings have been so eloquently and emotionally stated at the recent STARS hearings: the dangers to human life on Kauai in the case of an accident, multiple environmental concerns, the limiting of Polihale Beach access, the incredible cost of the program, and on and on.

The task of creating a more integrated global society requires collective and personal changes. To have peace in the world, we must look at fundamental issues that involve the way we arrange our society and set our personal priorities.

I urge you to take a step toward a global perspective and oppose the STARS program.

Sincerely yours,

Cynthia McKenna

WRIS

1

1

2

3

April 4, 1992.

3735-C Omao Road
Koloa, Kauai, HI 96756

Dear Senator Inouye and Mr. Gallien,

I am writing to oppose the STARS missiles on Kauai. While I believe that the Pacific Missile Range Facility serves an important purpose as one of the premier areas in the country for underwater fleet training, I do not support the base as a place to launch larger missiles like STARS.

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Thank you for your attention.

Sincerely,

Nancy Tyler, R.N.


WR187

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,


LARRY PALTING
GENERAL DELIVERY
ANAHEIM, HI 96703

WR188

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

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Sincerely,



April 8, 1992

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Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,



WR187

Nanette Gettier
General Delivery
Anahola, Kauai, HI 96703

April 3, 1992

Dear Mr. Gallien and Senator Inouye,

I am writing to express my opposition to the proposed STARS missile launches from Barking Sands to Kwajalein atoll for the following reasons:

- 1) The missile launches are an environmental hazard to Kauai and beyond. The release of freon will drastically affect the ozone layer over Kauai, increasing our already high potential for skin cancers, cataracts, and immune system damage. The ground hazard area for the SPARS missiles is 10,000 square feet whereas it should be at least 600 square miles. Potentially the areas within a 600 mile radius can be affected by hazard materials. Additionally, the potential for rocket failure is high because the army is using 20 year old missiles. In case of failure, nearby Hawaiian homelands could be damaged.
2. The relocation of 10,000 Marshall islanders to a location barely a square mile in size in order to provide a target site is an atrocious act. Such a proposal robs these native people of their land and their traditional way of life.
3. According to Capt. Robert Mullins, commanding officer at PMRF, not having STARS at PMRF will not lead to closure of PMRF. Yet with STARS, countless residents and visitors to Kauai will lose unlimited access to Polihale Beach, uniquely beautiful place. Kauai is appreciated by residents and visitors alike because it offers a pristine and beautiful environment that can only be tainted by the proposed STARS missile launches.

Thank you for listening to another concerned resident of Kauai.

Sincerely,

Ronell J. Palmer

Nanette Gettier

WR190

WR189

April 8, 1992

Dear Mr. Gallien,
I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each PMRF employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Ronell J. Palmer
P.O. Box 238
Hanalei HI 96714

WR191

WR191 (cont.)

Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.
Institute for Space and Security Studies
5115 S. AlA Highway
Melbourne Beach, FL 32951

March 24, 1992
U. S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, AL 35807-3801

re: Draft Environmental Impact Statement (DEIS)
Strategic Target System (STARS)

Dear Sirs:

As a former Director of "Star Wars" programs under Presidents Ford and Carter, I have been asked by citizens of Kauai to comment on the Draft EIS for the STARS program. My comments are attached.

Sincerely,



Lt. Col. Robert M. Bowman, Ph.D.
President, ISSS

Attach: Comments
Bio

Comments on Draft EIS for the STARS Program

by Lt. Col. Robert M. Bowman, Ph.D., USAF, ret.

The Draft EIS has identified numerous significant impacts of the STARS Program and a number of serious hazards. It lists actions to be taken to mitigate the effects and minimize the risks. I have serious doubts about the effectiveness of these actions, and reservations about the reliability of the refurbished Polaris solid rocket motors, in particular.

What is absolutely clear, however, is that some impacts and risks remain. The document does not quantify the reliability of the Polaris first stage, for example, but we know it's not 100%. Previous Army claims of 97%, even if believed, would still result in a 70% probability of at least one catastrophic failure in the planned 40 launches. And even if no accident ever occurs, tons of acid and toxic aluminum will be dumped into the atmosphere over the island. Any honest reading of the Draft EIS must conclude that the Army is proposing a numorous complex, almost heroic, measures to minimize the impact of the STARS program. But one must also conclude that, in spite of these measures, many impacts and risks will inevitably remain. You simply cannot carry on such activities in such a unique and ecologically sensitive location without serious impact.

The document also makes it clear that these impacts are totally unnecessary. The DEIS concludes that the "Do Nothing Alternative" would be far preferable from an environmental perspective. It turns out that this alternative would also be far preferable from a national security perspective. For over a decade I have opposed "Star Wars" and the SDI program which grew out of it because they made nuclear war more likely. My judgment has been shared by the Joint Chiefs of Staff. Now, since we no longer have a potential superpower enemy to go to war with, the danger of "Star Wars" to our security has lessened, but it hasn't gone away. It is still isolating us from the world community of nations, reinforcing our image as world bully, and draining resources and brainpower from the civilian space program and commercial high-tech industry. And it still has no legitimate mission.

Global Protection Against Limited Strikes (GPALS) can do nothing to protect the people of the United States from nuclear terrorism. If I was an international terrorist, and I finally got hold of a bomb, the last thing I would do would be to start a 15-year development program to build an Inter-Continental Ballistic Missile (ICBM) to deliver it. I would just float it up the Potomac on a barge, or to Waikiki on an outrigger, or maybe fly it into Red Square in a Cessna. STARS and "Star Wars" weapons do nothing to neutralize such threats. But the politicians and bureaucrats running the Program, spurred on by the contractors who profit from it, are continuing anyway. So the Army (which doesn't make the policy) is preparing to rape Kauai for a Program the Joint Chiefs of Staff have never wanted.

One of the ironies of all this is that they don't need to use Kaua'i. There are many other ways to put those STARS payloads into the proper trajectory if they insist on continuing the program. Have you ever asked yourself why (if they insist on using the Polaris) they don't just fire them out of submarines the way they were designed? The answer is that those old rockets are so dangerous, that they would probably explode, destroying the submarine, and killing everybody in it. They'd rather blow them up on Kaua'i where they would only endanger fish, birds, whales, exotic plants, an ancient burial ground, a few natives, and the tourist industry.

One of the great failings of the Draft EIS is its failure to seriously address many of the other alternatives. Personally, I prefer the "Do Nothing Alternative." But several others, if evaluated, would have been found to be environmentally far superior to the Proposed Action. Unfortunately, they were eliminated from further consideration on questionable grounds.

In particular, it is shocking to see the floating barge, fixed ocean platform, and Minuteman III from Vandenberg options eliminated primarily because of treaty considerations. The possible technical difficulties with the INF Treaty could have been easily overcome or circumvented. If START would have prevented encryption of signals using Minuteman III, so what? What are we trying to hide from whom? And since when has the SDI program been so concerned about avoiding even minor technical conflicts with treaties? The whole SDI Program is in violation of both the letter and the spirit of both the ABM Treaty and the Outer Space Treaty.

Do the writers of this DEIS really expect us to believe that if the Island of Kaua'i didn't exist, that there would be no worth evaluating? This glaring falsehood calls into question everything else in the document. In the old days in the Pentagon, we had a description for a study like this one: "an exercise you go through to justify a decision already made on political grounds." Nothing has changed in the last two decades.

The people of Kaua'i are not holding up GRALS or the STARS program. They're just asking that it be done some other way that doesn't endanger their lives, their culture, their environment, and their livelihood. It is I who say, "Don't do it at all." Don't endanger this precious island for a Suicidal, Dangerous, Insane (SDI) program that we in the military don't need.

Lt. Col. Robert M. Bowman, Ph.D. is President of the Institute for Space and Security Studies in Melbourne Beach, Florida. From 1976 to 1978 he directed the "Star Wars" programs under Presidents Ford and Carter, when their existence was secret. His military career took him to 34 countries, and included 101 combat missions in Vietnam. His PhD is in Aeronautics and Nuclear Engineering from Cal Tech.

ISSS, 5115 S. AlA Hwy., Melbourne Beach, FL 32951; (407) 952-0600

page 2

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 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
 3. Nohii Dunes is a culturally significant area, inappropriate for use as a launching site.
 4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.
- We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Nelani K. Kauai-Chavez

Wm. K. Kauai - Hawaii

6937 Leleia P!

Kapaa, HI 96746

I would like to know why "mainland" missile testing facilities are surrounded by 100 miles of fenced land w/ no one allowed inside + why, here there "old" missiles with likely age problems will be blown off, about a town. "Hindi - agit" will not be good enough here.

WR193

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

*Chris Jones
I dont support Star-wars do it & do copy*

D R M F

Name <i>Chris Jones</i>	Address <i>1163 Kauai, Kauai, Hawaii</i>	City/State/Zip Code <i>Kapaa</i>
Please hand this form in or mail by April 13, 1992 to:		
Deputy Commander U.S. Army Strategic Defense Command Attention: CSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801		

WR194

JOHN WAHEE
GOVERNOR OF HAWAII



WILLIAM W. PATY, CHAIRPERSON
BOARD OF LAND AND NATURAL RESOURCES
DEPUTIES

JOHN P. KEPPELER II
DONNA L. HANNA
AGRICULTURE DEVELOPMENT
PROGRAM
AQUATIC RESOURCES
CONSERVATION AND RECLAMATION
CONSERVATION AND RESOURCES
ENVIRONMENTAL
TOURISM AND
HISTORIC PRESERVATION PROGRAM
LAND MANAGEMENT
STATE PARKS AND LAND DEVELOPMENT

**STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES**

P.O. BOX 1521

HONOLULU, HAWAII 96809

FILE NO.: 92-249
DOC. ID.: 509

REF:OCEA:SKK

Deputy Commander

U.S. Army Strategic Defense Command
ATTN: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

SUBJECT: Draft Environmental Impact Statement (DEIS) for the Strategic Target System Program, Pacific Missile Range Facility, Kekaha, Kauai, Hawaii - TMK: Various

Thank you for giving our Department the opportunity to comment on this matter. We have reviewed the submitted DEIS for the Strategic Target System and have the following comments. Also attached are comments from the State Department of Health.

Office of Conservation and Environmental Affairs Comments:

Under Section 4.6.1 covering flight preparation, potential impacts on land use could occur while the Strategic Target System Booster is on the launch pad. During this time (an average of 14 days), all nonessential contractor, civilian and military personnel as well as the public would be cleared from the explosive safety quantity-distance (ESQD) area. This ESQD area would affect approximately .5 mile of shoreline located within the PRMF Recreation Area 1. This represents 2.3 percent of beach area on along Western Kauai.

Launches (4 per year) associated with the STARS Program would result in the closure of Recreation Area 1 for an additional 56 days per year. This represents an increase of 11 percent, from 30 percent (current percentage of days closed due to flight prep.) to 41 percent per year.

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Street Address

WR194 (cont.)

Deputy Commander

File No.: 92-545

-2-

Actual launch/flight activity will affect 688 off-base hectares (1,700 acres) of state-owned land leased to the Kekaha Sugar Company for the production of sugar cane and 154 acres of Polihale State Park. Land uses within the off-base ground hazard area would continue except during launch operations, when the area would be verified clear for safety purposes approximately 20 minutes prior to each scheduled launch. PRMF personnel may enter the area up to three hours before launch to post signs and to give notice to any people within the area of their need to leave. Clearance would affect only six percent of the Kekaha Sugar Company leased land and interrupt transit to Polihale State Park and the beach along PRMF.

The DEIS reports that access to Polihale State Park will be temporarily closed for a minimum of 20 minutes and up to 40 minutes per launch. In addition to STARS launch activities, these clearing/closure procedures, combined with similar activities for other PRMF/KTF and EDX program launches, could result in a total time of fifteen (15) hours per year that the area would be verified clear.

Also, as indicated in the submitted report, a memorandum of agreement (MOA) is being developed among PRMF, the Hawaii Department of Land and Natural Resources, and the Kekaha Sugar Company. This agreement would allow PRMF security forces to request that the area be verified clear of all nonessential personnel for approximately 20 minutes for each flight. Also, PRMF would notify the State in advance of clearance.

According to the DEIS, the calculated impact of missile launch activities on access to Polihale Beach Park and PRMF beaches would be equal to 80 minutes per year, with the potential for an additional 80 minutes per year to accommodate weather, maintenance, and technical delays, in which the area would be verified clear. We believe this underestimates the actual impact of launching operations on public use and access. If you add the time required for clearance activities preceding each launch, the impacts become more pronounced (3 hours/launch + 4 launches per year = 720 minutes per year).

Furthermore, it is assumed that delays associated with maintenance, weather, and/or technical related problems, would be only 20 minutes per launch. However, given the uncertainty of environmental variables affecting each launch, this assumption is questionable.

WR194 (cont.)

Deputy Commander

File No.: 92-549

-3-

The DEIS is satisfactory from the standpoint of aquatic resources and values as well as flora and fauna. However, we are still quite concerned over the potential impact of launch/flight activities adjacent to PRMF. We question the reported closure/clearance periods and estimated launch delays (20 minutes respectively). It seems as though the actual time (launch window) necessary to safely and successfully conduct launch/flight activities would be somewhat longer. A more thorough/systematic discussion of launch/flight activities, including clearance activities, potential delays, and the exact areas to be affected should be conducted. Moreover, these launch/flight/clearance activities must be discussed in light of their cumulative/comprehensive impact on public use of the affected areas.

Also, our Department's Historic Sites section has responded directly to the DOD (refer to attached letter from RFD).

Thank you for your cooperation in this matter. Please feel free to call me or Sam Lemo at our Office of Conservation and Environmental Affairs, at 587-0377, should you have any questions.

Very truly yours,
John P. Keppler
John P. Keppler
ATTACHMENT

Attachment

1

2

WR194 (cont.)



State of Hawaii

John C. Darrow, M.D.
Director of Health

STATE OF HAWAII
DEPARTMENT OF HEALTH

P. O. Box 370
Honolulu, Hawaii 96814

In reply, please refer to:

WR194

September 26, 1990

2:170

Mr. Randy Gillen, USASCC/CSSD-EN
168 Wynn Drive
P.O. Box 1600
Huntsville, Alabama 35807-3801

Dear Mr. Gillen:

Subject: Comments on the Revised Preliminary Final Environmental Assessment for
the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the
following comments:

Sir/Petition

The Environmental Assessment should provide as an appendix a detailed discussion on the
air quality impact analysis. At a minimum, the following areas should be addressed:

1. The air pollution dispersion models and the meteorological conditions used in
determining the air quality impacts should be clearly described along with any deviations
or assumptions.
2. Since each launching is a limited-term event, the impacts should be determined for a
shorter averaging period. A 1-hour average concentration is preferable to the 8-hour
average concentration as reported.
3. The impact is calculated for a distance of 3,000 meters from the launch pad. The impact
should be calculated for maximum concentration at or beyond the property line and also
at the nearest residence.
4. The assessment of the emission and the air quality impacts resulting from a liquid fuel
spill, a launch pad explosion, and an early launch termination should be conducted.
5. It is not clear whether only solid propellant boosters will be used or whether liquid
propellant may be used as an alternative. The air quality assessment should consider
the impacts resulting from all the various types of boosters that might be employed.

September 26, 1990

-2-

CONFIDENTIAL

6. Health risks associated with air quality impacts should be discussed. At a minimum, the
impact results with threshold limit values adjusted with an appropriate safety factor
should be compared. It would also be important to discuss long-term effects associated
with repeated exposures to pollutants, air pollutants including carcinogenic effects. Worse
case and most likely case scenarios should be considered.

Solid and Hazardous Waste

The report does address our concerns related to the generation and proper management of
hazardous waste.

Hazard Evaluation and Emergency Response

1. The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should
include the notification of both the State Civil Defense Agency and the Kauai County
Civil Defense Agency.
2. For spills occurring during fueling/detanking of Hydrazine and Nitrogen tetroxide:
Washing down to dilute concentrations is not the best method for clean-up of these
chemicals. Using sand or other absorbent material is the method of choice. Water
spray should be used to control vapors (DOT 1990 Emergency Response Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects
of the chemicals involved.

Nicole

The Environmental Assessment contains no information on projected noise levels from STARS
vehicles; therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time
event, launches will not be simultaneous and the nearest noise sensitive area (residential), off base,
is eight miles from the launch site. However, single events with noise levels significantly above the
ambient levels will result in disturbances in terms of annoyances. This environmental assessment
must include an analysis on the potential noise levels at the various communities that may be
affected.

Sincerely,

Bruce S. Anderson

BRUCE S. ANDERSON, Ph.D.
Deputy Director for
Environmental Health

cc: Office of State Planning, Attention: John Nakagawa

WR194 (cont.)

4-7

Dear Senator Foyege, and
Mr. Gaffin:
I am against the
S.T.A.R.S. project that
is proposed for P.M.R.F.
on Kauai. I am also
against the further
use of KWA'ALEN Atoll
as target 200 for U.S.
Army or Military missile.
As a citizen who has
voted for you for 25
ye on Kauai and a U.S.N
Vet. I ask you to

[WR195 (cont)]

[WR195]

Please do your best for
your constituents on Kauai
and your Polynesian friends.
NO MORE STRS. ON KAUAI
STOP MISSILE PRACTICE IN
KWA'ALEN ATOLL -

Mahalo

Viteki Kille Chilij.

U.S.N VET
KAUAI, HAWAII

P.S. You are great
Senator and doing a great job
for Hawaii.

To Senator Daniel Inouye
Randi Hallion

I am writing to you in regards to the STARS program on Kauai.

I am very much against the STARS program. My reasons are;

1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a detonation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer; Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals, and humans. Medical research has linked aluminum to Alzheimers disease. Further, more,

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scrapped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of the Earth.

STOP STARS!

Brigid McBride
Brigid McBride

P.O. Box 1476

Kapaa, HI 96746

April 2, 1992

WR197

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U.S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,



Dear Senator Inouye and
Mr. Sackin:

I support P.M.R.F.
But I am concerned worried
about Star Wars - the proposed
site on Kauai is just what it
should be. Nuclear missiles
will ruin everything around the
island, ocean and atmosphere.

Please Don't Run On Kauai

Dincerely,
Diane Rogers

April 8, 1992

Diane Rogers
P.O. Box 22
Kilauea, HI 96754

WR198

1

2

WR199

4-10-92

Dear Senator Inouye,

I am writing to you personally to let you know how I feel about Rockef
facing on Kauai. Kauai is a very
special place, with its own unique
environment and my research has
shown that Rockef is having "influe
t" on Kauai's environment. In
addition I am totally against a
warrior stance on any level other
than self defense. As we all know,
the world is becoming more peaceful
and the need for super weapons is
diminishing. Vote Against Rockef
on Kauai. Keep our environment
safe.

Alota.

Sincerely,

Catherine Donley N.D.
P.O. Box 629
Kilauea, HI 96754

Doris Petrich
80 Box 79
Anahola, HI 96703

WR200

April 10, 92

Dear Senator Inouye,

I am writing to express
my concern over this Star
Wars project on Kauai. I am
completely against this
project as I feel it
negates the safety of those
living on Kauai. Not only
the negative impact on
the environment, but the
possibilities of an accident
are far too serious to ignore.
This is not about jobs
at Omaf, but about people's
lives and the preservation
of our island.
We must not allow
the risks involved, France has
taken a stand against nuclear
testing in the name of peace
and its time we do the same.
Thank you for your attention.
Many good be with you.

Odeka, Doris Petrich

WR201
April 10, 1992

Dear Sirs,
I am totally against the Star Wars
Program being launched here in Hawaii.
This is a fine and clean island and
the only place left in the United States
that is still natural and balanced.
The Star Wars Project will destroy
the ecological balance that has been
noded over so slowly.
Please try to keep the clean and
unpolluted. Let keep the peaceful nature
of the island! Sincerely,

Joe Bruce

Eve Bruce
P.O. Box 3500-173
Princville, Hi. 96722

WR202
1
4/9/92
TO WHOM IT MAY CONCERN:
I SUPPORT PARF BUT I DON'T SUPPORT STAR VARS

Lorraine Green

Lorraine Sullivan
2653 Alaekeka Street
Lihue, HI 96766
SS#575-58-5969
(808) 245-4024

4-10-92

Dear Senator Inouye

This is to let you know that as a citizen voter, business owner and mother, I am against the implementation of the "Faytowers" project on Oahu's Coraia Hawaiian Island.

I have due concern about the transportation of hazardous materials related to the project on Oahu's highway system through densely populated areas and near schools with young children.

In addition, I am concerned and against the rockets (any rocket) being fired off the island because of possible hazards to the general public and in this vicinity.

With that, I am concerned with Oahu becoming

known as the favorite place for heavily weighted industrial areas, as this might affect adversely the foundation industry, considering these elements environmental global and community concerns. And just express to you my anxiety before that you do all in your power to prevent the implementation of the "Faytowers" project on the island of Oahu.

Sincerely,

Marlene Cornell
PO 846
Kilauea, HI
96754

WR204
Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

A. Blank.

You like do all dis cray on Kauai.
You better think agin. your not living
on Kauai. So of course you inconsiderate
people ki min our island.

Hey your Down Howard's Dary
the field off our island.

I understand what your intentions
are working Star Wars so you can
protect America if somthing happens.
But while doing that you will destroy
our natural protection, our ozone.
There is a little chance we will half
to use those misses in a real
situation but it's a 100% chance
we will ruin our ozone layer.
Poor people of the Marshalt Islands
are taken of there home land
and cramped into a ghetto style
Island. dont call that working
as one, Think About what your
doing to innocent people.

Stay in you and
Leave

David Granda

Name Silvia Granda
Address 6433 Kauai Rd
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-2801

6433 Kauai han Rd. Kapaia, Hawaii, 96746

WPF209

You are crazy people. Stay off of
our Island. We don't want
missiles on our island.

Marquita Grange
Grandma
(5 years old)

Name: Marquita Grange
Address: 6A33 Konaian Rd #716 Kona, Hawaii

WPF209

April 13, 1992

Deputy Commander,
U. S. Army Strategic Defense Command
CSD-EN-V (D. R. Gallien)
P. O. Box 1500
Huntsville, AL 35807-3801

Dear Sir:

Subject: Comments on Strategic Target System
Draft Environmental Impact Statement

Kekaha Sugar Company has cooperated with the Pacific Missile Range Facility in its missile launching activities for almost 30 years. For the most part we have been able to minimize the economic impact of the Ground Hazard Area closures by rescheduling activities or moving operations to other fields.

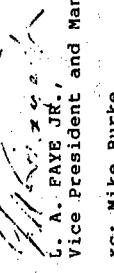
However, the SDI program is of a larger scope than previous ones, with up to 15 launches and 30 possible GHA closures per year. Because of this, Kekaha Sugar Company might not be able work around some of these launches and will have to stop some operations.

Interrupting operations or stopping them altogether, will cost our Company money. The degree of impact on our costs will depend on what operation is affected and the duration of the closure. The operations most likely to be affected are harvesting, field preparation, planting, weed control, and irrigation.

The costs of these operations range from about \$1,000 to \$7,000 per day. If 30 launch closures prevent us from completing the harvesting and processing of our crop, then we stand to lose \$100,000 in revenue for each day of interruption. These figures are rough estimates and are intended to give you an idea of the dollars involved.

We look forward to working with the Army in developing a compensation plan to cover the costs incurred by Kekaha Sugar because of the SDI missile launches.

Yours very truly,


C. A. FAYE JR.,
Vice President and Manager
x: Mike Burke

WR210

WR211

Honorable Senator Akaka

No rockets is paradise!!!!
We need a ozone layer!!!
We don't need missiles!!!
Stay off our island!!!

Honorable Senator Akaka
US Senate
Washington, DC 20510

Dear Senator Akaka,
I live in (your town, your state). I am very concerned about
the proposed Star Wars testing launches from the island of
Kauai. Using a rare, lush tropical garden as a launching
pad for antiquated and dangerous polaris missiles seems
absurd.

This island is a national treasure not a potential hazardous
dump site for hydrazine/nitrogen tetroxide and other rocket fuels.

Considering recent developments in Europe & the former Soviet
Union, far-flung STARS missile systems seem an incredible waste
of tax money we cannot afford. Certainly jobs can be created
in a wide variety of life enhancing industries, environmental
concerns and social issues rather than on building more war
machines.

Finally the STARS Environmental Impact Statement has listed
the Marshall Islands as the target area for these proposed
missile launches. These are the same islands which we have
devastated since the 1950's testing nuclear missiles. Over
10,000 islanders are still living there in crowded ghetto-
like conditions, surviving on government handouts while their
farming lands and fishing grounds are used for targets.

To continue our role in this oppression is a national
embarrassment and must be stopped. Please use Your power
to stop the proposed Kauai missile launching and put an end
to the Star Wars program. NOW.

Thank you,
John
your name

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES**TO KAWAJALEIN ATOLL & THAT ISMAEL****TMRF**

Mary Bat Mission
PO Box 771
Lihue, HI 96761
Dilly Kadrelau,
2249 Kua Rd.
Koloa, Kauai, 96756
HI.

MISSILE IMPACTS IN THE
KAVALAEN ATOLL

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

**This Project Must Be
STOPPED!!**

CROWN LANDS - Hawaiian land NOT Federal
LAND SWAP - Hawaiian Home Lands
Niihau water - Jeopardize the health
CONTAMINATION OF Hawaiian lands
RESTRICTED ACCESS 200 DAYS A YEAR
AIR QUALITY - GROUND WATER CONTAMINATION
SHORELINE HABITAT - RAIN FORESTS
MARINE LIFE - CATASTROPHIC HURRICANE
Kauai 500 sq miles - DEADLY FEAR ABL

Name _____
Address _____ Street Address _____

City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-BN-V (D.R. Gallion)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Senator Snoupe and Mr. Mallon,

I am a permanent resident of Hawaii. I practice professionally in the building trades here as carpenter and builder. I relocated to here over a year ago and will stay because of value a clean environment. But it is a serious knowledge that this is a fragile environment. Already there is degradation of marine species populations. There are cuttings. There are noticeable damages to the reef. The strategic defense initiative testing of tracking technology, using outdated rockets poses a specific threat to the island's ecosystems. In a worst event of an accident, there is less a pressing need to proceed with experiments of S.D.I. technology.

Off is my conviction that the needs and safety of the environment, here and paradigm importance, and that the pursuit of dangerous technology is a folly. About several questions answered. With the accident of the Challenger space shuttle how can we believe the safety of rocket systems joined together from

WR212 (cont.)

old, outdated, or obsolescent parts?

Even if, say, a probability a one in a thousand chance of phoned fuel did happen does a plan exist to clean the ocean or the airlessness? Has

there been any thorough assessment of the hazards of the chemicals that would be released in the event of an aborted launch? As the use of a more appropriate location being considered?

Does the proposed testing with American rockets guarantee the Russian counter-parts will track as expected? Have the social concerns of divisiveness and polarization been addressed? Has there

been any study of the possible impact on the tourist trade? Will the negative images in the world community of possible rocket explosions dampen the important tourist business? Will children feel safer knowing a rocket (friendly?) might explode in their yard?

Will fisheries and marine environments be affected by any ocean spill of rocket fuel? Who besides the defense contracting industry will benefit economically? Is not that industrial infrastructure -

time located elsewhere? How much money is spent by the government on pro-S.D.I. public relations campaigning and propaganda? And why is any part

of rocket systems joined together from

of the defense establishment spending money trying to affect public opinion? Is not the responsibility of the Defense Department to defend other than the cold public opinion?

Abandoning the S O I experiments on Kauai can only improve the image of the island a fine place to visit and live. Why tamper with a good thing? Help the robots off Kauai. And answer my questions.

Sincerely,

Orville Dent
Orville Dent
5045 Laipo Rd HT 96746

Against Star Wars 4/3/92

To The Military

I feel that your Star Wars project may bring us more harm than good. And to the Marshall Islands will be brought we teach our children to put ourselves into others shoes. Did you forget that lesson that we should have initially learned in childhood?

How would you like to have your homeland be the target for testing ground for the Star Wars? Would it if your children were the victims of this? We must learn to live more peacefully with each other as these boundaries are man's figment of imagination and crepted out of that. In actuality we all live together and are the family of man. Your own family. You'd you bomb them? Or even their home if they weren't present?

I say "No" to Star Wars!

D. Sonder

WR215

Written Comment Sheet:

A. vote for No Action 4/13/92

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Our O₃ zone is becoming more depleted every year. Skin cancer is on the rise. Many countries have given up even the use of spray cans. Is it really responsible of you to further deplete our ozone? I moved to Hawaii because of the environment being so clean & beautiful. And a lot of people visit here for that same reason. Take your pollution somewhere else! It seems your worst enemy is yourselves. Stop.... for the children.

sincerely,
M. Grande

WR214

1

Dear Mr. Gallien & Sonnen Shimp,

We need air to live. If we don't breathe air we die. So do all creatures and plants. If we breathe toxic air we die. If less dollars are being wasted on killing ourselves than what is the point of living so broke? If you cannot understand the bottom line if we're all at being dead then I pray for you.

No STAR WAR "GAMES" Please,

PLEASE God Bless

Yours sincerely

Name: JAMES NEALMAN

Date: April 9, 1992

Address: P.O. BOX 229 KILALEA HI 96747

State/Address:

City/State/Zip Code:

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-DEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-2601

WR217

WR216

4/10

To whom it may concern:

I support PMRF and not star
wars.

Sincerely

Michael Roots
P.O. Box 730
Hilo, HI 96720
TEL: 808-961-3377

To whom it may concern:

I support PMRF but
I don't support star wars

Sincerely

Karla Beley
P.O. Box 730
Kailua, HI 96734

540-74-2292
808-828-1337

4-5-92

1

WR218
Dear Senator Droyze and
Mr. Garrison -

To whom it may concern, April 10, 1992

Mr. Headland Brig. Col. July
Support M. R. F. Cut Me
Do Not Support The SHOOTINGS
On Nuclear Missiles On Hawaii
It will ruin our beautiful
Ocean and kill living things
in the environment.

I am in support of the people of PMRF but I am opposed to the Star Wars SPT proposal project because these are excessive, inappropriate expenditures that as a tax paying citizen I see as very low priority in the United States today. We need complete nuclear disarmament, not missiles that intercept them in space. We don't need expensive band-aids that may not work. We need to commit all the leaders of this planet that nuclear payloads will no longer exist.

Sincerely

Please Save Our Island
Shirley Spencer 4/8/92

1
Sincerely,
John S. Bentley
P.O. Box 738
(Gila River, AZ)
04/10/92

WR220

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please do not show this rocket launching down our throat without due process. Hold a special election on this island to determine the will of the local residents. The impact study is merely a smokescreen. Don't insult our community!

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am against the use of Kauai as a test sight for S.D.I., as are 90% of Kauai residents. What is in it for us? We don't receive federal money for roads, schools, or parks. Why should we risk our environment and loose the use of the westside beaches for this "beached whale" project.

WR221

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please do not show this rocket launching down our throat without due process. Hold a special election on this island to determine the will of the local residents. The impact study is merely a smokescreen. Don't insult our community!

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Name Andrew Brown
Address P.O. Box 220 Anahola, HI 96703
City / State / Zip Code Honolulu, HI 96703
Street Address

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WF222

RE: STRATEGIC MARKET SYSTEM
DOE-EPA CONNECTED IMPACT STATEMENT

RE: STRATEGIC TARGET SYSTEM
DO NOT BULLION AND DATA IMPACT STATEMENT
APRIL 12, 1992

DEAR SIR: SURELY THE ARMY CAN FIND LESS COSTLY,
MORE EFFICIENT WAYS TO SPEND OUR TAX MONEY
THAN ON THE SO CALLED STAR SYSTEM. THAT THE
DRAFT ETS SAYS THERE WILL BE "NO SIGNIFICANT
IMPACT" DOES NOT REASSURE ME - PARTLY
BECAUSE IT DOES NOT DEFINE WHAT "THEY"
CONSIDER A SIGNIFICANT IMPACT AND PARTLY
BECAUSE I SIMPLY DO NOT BELIEVE THAT HUMAN
BEINGS ARE INFALLIBLE - ACCIDENTS OF ALL
KINDS DO HAPPEN. THIS ISLAND OF SOME
65,000 SOULS IS TRULY ONE OF THE MOST
BEAUTIFUL SPOTS IN EARTH, AND, ~~IS~~, BEING
BORN HERE, IS HOME TO MANY ENDAN-
GED SPECIES (PROTECTED BY FEDERAL LAW).

I COULD GO ON FOR PAGES LISTING WHAT
(AND HOW MANY OTHERS) CONSIDER FAULTS IN THE
DRAFT ETS AND IN THE BASIC PREMISE OF THE
STAR SYSTEM, AND FOR PAGES MORE LISTING
OTHER, BETTER WAYS TO EMPLOY THE MONEY AND
THE ARMY, BUT YOU'VE PROBABLY HEARD MOST
OF THEM FROM OTHERS BY NOW SO I WON'T.
REGISTER ME AS A "NO" VOTE. PLEASE "SHOOT
DOWN" THIS PROGRAM AND COME CHECK OUT
KALAWA FOR YOUR NEXT VACATION. YOU'LL LOVE IT;
IT'S
Linda Chancour
P.O. Box 44719
Wailuku, Hawaii 96794

1. HAVE ONE DRAFTSMAN IN THE AIR FORCE +
2. HAVE ONE DRAFTSMAN IN THE ARMY (SIXTH REGIMENT)
3. HAVE ONE DRAFTSMAN IN THE MILITARY.

Chair Senator Slaney,

4-9-92

I am wanting to have peace on the planet, including here on Earth. I vote for no Star Wars anywhere.

The only reason I stand at the hearings is it were economic - people in plan that without the project they would lose their jobs (- why not wait jobs that are important of peace?) and because of "disease". I don't see how Germany "out there" - except its against the environment.

Let peace begin with me.

Sincerely,
Silvia Shige, Lone Debachyone
P.O. Box 910
Kilauea HI 96754

8



**NATIVE
HAWAIIAN
LEGAL
CORPORATION**

1255 E. 15TH STREET • SUITE 404 • WOKEE HAWAII 96713 • TELEPHONE (808) 327-2322 • FAX (808) 327-2206

April 13, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft Environmental Impact Statement (DEIS) for the Strategic Target System (STS) (Launch of Strategic Target System Vehicles from the Kauai Test Facility at the Pacific Missile Range Facility on the Island of Kauai, Hawaii)

Native Hawaiian Legal Corporation is a public interest law firm which provides legal representation for ethnic Hawaiians. Our comments here relate to protection of the interests of Native Hawaiians who are beneficiaries of the Ceded Lands Trust established in § 5(f) of the Hawaii Admission Act and who could be aggrieved by failure to comply with federal and state law as it pertains to the management and use of those lands.

Our principal area of concern here is that any activities relating to this project that take place on or otherwise impact Ceded Lands owned by the State of Hawaii and made available to the United States as a tenant of the State under any permit, lease, license, or Governor's Executive Order be conducted in full compliance with applicable laws of the State of Hawaii. Our concern is based on the position recently advanced by the federal defendants in *Sierra Club v. Cheney*, U.S. District Court for the District of Hawaii, Civ. No. 90-0775 HMG, that the U.S. Army need not comply with Hawaii law by obtaining a conservation district use permit from the State of Hawaii Department of Land and Natural Resources prior to undertaking this project. The clear implication of *Sierra Club* is that the Army does not feel itself obligated to comply with Hawaii law in its conduct of this project.

In *Sierra Club*, the Army relied upon the alleged absence of any waiver of the sovereign immunity of the United States that would permit suit by the State of Hawaii or any other party to seek compliance with Chapters 171 and 183, Hawaii Revised Statutes. The court followed *Hancock v. Train*, 426 U.S. 167 (1976) to find that the State of Hawaii could not force compliance with State law under the circumstances of the case before it. *Sierra Club v. Cheney*, supra, (Order Granting In Part

U.S. Army Strategic Defense Command
Comments on STS DEIS
April 13, 1992, p. 2

And Denying In Part The Army's Motion For Summary Judgment,
Denying Sierra Club's Countermotion For Summary Judgment,
Granting Summary Judgment For The State, And Ordering An
Injunction Of The STARS Project Pending Supplementary Of The
Army's Environmental Assessment) (D. Hawaii May 9, 1991), slip
op. at 35-38 (Ezra, J.).

The Sierra Club court noted that "the government is immune from suit unless it consents to be sued by statute or by contract." Id., slip op. at 36. It is significant, however, that at no point in the Sierra Club opinion was mention made of any allegation of the existence of a contractual relationship between the United States and the State of Hawaii. We note that the DEIS contemplates that the Army will use certain public lands owned by the State of Hawaii, including in particular Polihale State Park, under the terms of a Memorandum of Agreement and Grant of Easement with the State of Hawaii. See DEIS, App. B and C. It is also our understanding that at least a portion of the land underlying the Maui Test Facility of the Pacific Missile Range Facility is also owned by the State of Hawaii and is used by the United States under the terms of one or more leases, permits, licenses, or Governor's Executive Orders granted by the State of Hawaii. Such agreements are clearly contracts between the State of Hawaii and the United States, and the status of the United States and the U.S. Army and Navy in their use of these lands is thus that of tenants occupying State-owned land.

Where the United States is a tenant occupying land owned by the State of Hawaii, the protections of sovereign immunity and Hancock are inapplicable to the question of the State's enforcement of federal compliance with Hawaii law. The Tucker Act, 28 U.S.C. §§ 1336(a)(2), 1491, provides the required waiver of sovereign immunity in such cases and would permit the State of Hawaii to sue in the event the United States should breach such a contract (including breach of the implied condition that the tenant must comply with applicable laws), either by seeking specific performance (federal compliance with Hawaii law) or by seeking termination of the contract and the cessation of federal use of these State-owned lands.

It could be argued that some or all of these contracts may lack any explicit requirement for federal compliance with Hawaii law as a condition of the contract. We doubt, however, that any explicit waiver of such a requirement will be found in these agreements, either. We know of no statute or other law of the State of Hawaii which would permit the State or any State agency to waive the obligation of any tenant, including the United States, to comply with such laws of the State of Hawaii as § 1-, Chapters 6F, 115, 174C, 171, 183, 183D, 18A, 190, 195, 195D, 198D, 205A, 226, 228, 286, 340B, 341, 342B, 342C, 342D, 342E,

WR226 (cont.)

U.S. Army Strategic Defense Command
Comments on STS DEIS
April 13, 1992, p. 3

342H, 342I, 342J, 342L, 342N, and 313, Hawaii Revised Statutes.¹ In the absence of such authority we do not believe any such contract could reasonably be interpreted as waiving the State's otherwise undoubted right to enforce its laws against its tenants. In any event, to avoid any ambiguity on this point we will be requesting that the State of Hawaii Board of Land and Natural Resources insist on the inclusion of an explicit requirement for federal compliance with all laws of the State of Hawaii in any Memorandum of Agreement or Grant of Easement which it approves with respect to this project. This would make explicit the requirements we believe are implicit in all such agreements now in effect. Such action by the Board would be entirely appropriate in light of the Board's land management responsibilities under § 26-15, Hawaii Revised Statutes, and the State's trust obligations under § 5(f) of the Hawaii Admission Act. We further ask you to note that the Board cannot approve such an agreement without itself ensuring compliance with Chapters 171 and 183, Hawaii Revised Statutes, and that such compliance is also enforceable by the public under, *inter alia*, the Hawaii Administrative Procedures Act, Chapter 91, Hawaii Revised Statutes.

Because we believe the Army must comply with State law in its activities on all lands owned by the State of Hawaii and that any potential non-compliance with State law is a significant fact that should be disclosed in the Final EIS for this project, see 40 CFR § 1508.27, we ask that the DEIS be modified to identify all lands owned by the State of Hawaii which will be affected by the proposed project and to describe in detail the measures which will be undertaken to ensure full compliance with Hawaii law or, if such compliance is either not possible or is not contemplated by the Army, the extent to which the project will not be in compliance with such laws.

Very truly yours,

C. C. Christensen

Carl C. Christensen
Staff Attorney

cc: William L. Pate,
Hawaii Board of Land and Natural Resources

All of these laws were cited in DEIS Table 1-2 as having been "considered" in the preparation of the DEIS, although it is claimed that this "does not mean they are legally applicable or relevant." *Id.*, fn. 2.

WR227

Karen Steele
10 APRIL 1992

- 502 KUCHI SHO
KAMIA, HAWAII QF 746

1

Senor Inoye,

This is a letter to encourage you to open to the real reader why we have all chosen to live on Kauai + the Hawaiian Islands. We have been blessed to live in the most beautiful places in the world - one of the healthiest places to live and enjoy life and to keep our priorities in balance. The Atmosphere and Air is important aspect of all of life + the generations to come. I encourage you to put a stop to the nuclear weapons project as to preserve our wonderful islands. Fish, food, land.

MANA = BREATH OF LIFE

AS TAUGHT TO US BY THE native Hawaiian themselves. Please help us to keep our bodies waters, Air, Land free of nuclear waste - please support our highest wishes and desires of

The ALIHA - HUMANIZING THE

SIE HERE.

lets forget about ignorance
of our past and to step
forward) I CHOICES THAT TRULY
benefit the people of this land.

JKC JG

Open Space

April 9, 1992

1
Hawaii has had a unique history as a place of
strategic importance for mainland military interests
for many years. The reason has been for defense;

the result has been jobs.

Many in the business community will not
speak out against Starbase because they need the
support of the military income to stay afloat.

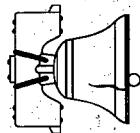
In the business community, the people who have
military jobs, the military itself can all come
out on top by one solution. Change the Reasons.
Change the reasons for defense to Reasons for saving
the world.

Convert Starbases military jobs to civilian jobs.
Put money for missiles into Save the Whales.
Protect Acid Rain and Prevent Pollution on this
planet first before its too late for life - Period!

Bonnie McBride

Responsible Citizens for Responsible Government

MARCH 24, 1992

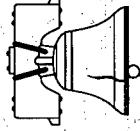


WR229 (cont.)

IMPACT STATEMENT: SOMETHING IS VERY WRONG WITH THIS PICTURE

THANK YOU FOR HOLDING THIS HEARING AND THANK YOU FOR PROPOSING THIS PROJECT FOR KAUAI BECAUSE IN A STRANGE WAY I HAVE COME TO SEE IT AS A BLESSING. IT TOOK THE THREAT OF STAR WARS MISSILES ON KAUAI TO UNITE CITIZENS IN A WAY THEY HAD NEVER BEEN UNITED BEFORE. THIS ISSUE HAS REACHED CITIZENS IN EVERY TOWN ON THE ISLAND BECAUSE WE KNOW IN OUR HEARTS THAT STAR WARS WAS NOT RIGHT FOR KAUAI - THAT THIS PROJECT ACTUALLY ENDANGERED THE SPIRIT OF KAUAI.

THIS PROJECT HAS ALSO TAUGHT US THAT DOCUMENTS LIKE THIS E.I.S. ARE WAY TOO NARROW IN THEIR SCOPE - THAT THEY CAN NEVER MEASURE THE THINGS THAT ARE TRULY IMPORTANT - LIKE IMPACT TO THE SPIRIT OF AN ISLAND AND IMPACT TO THE DIGNITY OF NATIVE PEOPLE. I WAS APPALLED TO LEARN THAT THE IMPACTS OF THIS PROJECT REACHED FARTHER THAN KAUAI - ALL THE WAY TO EBAYE ISLAND AND KWAJALEIN, AS A CITIZEN E.I.S. REVIEWER I RAISED THE ISSUE OF THE KNOWN HUMAN RIGHTS ABUSES TO THE INDIGENOUS PEOPLE OF THE MARSHALL ISLANDS THAT THIS PROJECT WOULD PERPETUATE - BUT I WAS TOLD THIS DIDN'T FIT WITHIN THE SCOPE OF THE E.I.S. WHEN HUMAN RIGHTS ABUSES TO NATIVE PEOPLES THAT ARE PAID FOR BY OUR TAX DOLLARS DON'T FIT INTO AN ENVIRONMENTAL



IMPACT STATEMENT: SOMETHING IS VERY WRONG WITH THIS PICTURE

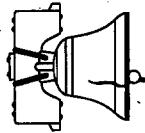
THIS PROJECT HAS ALSO TAUGHT US TO TRUST OUR INSTINCTS. NO MATTER HOW MANY PREPARATIONS ARE IN THE E.I.S. WE KNOW AN ACCIDENT CAN HAPPEN - AND SO DOES THE ARMY. THE DIFFERENCE IS THAT WE FEEL KAUAI IS TOO PRECIOUS TO RISK EVEN ONE ACCIDENT!! FOR INSTANCE, OUR LIVES AND HEALTH ARE THREATENED NOW BY OZONE DEPLETION, YET THE E.I.S. DISMISSES ITS RELEASE OF NEARLY 8000 POUNDS OF FREON BY SAYING THE BRAND IT'S USING IS BAD BUT IT'S NOT COVERED BY HAWAII STATE LAW. PLEASE - THIS IS OUR AIR. AND WHY AFTER CITIZENS HAVE EXPLAINED THAT NOHILI DUNE IS SACRED AND VERY IMPORTANT TO NATIVE HAWAIIAN CULTURAL HERITAGE - THAT IT SHOULDN'T BE CONTAMINATED BY CHEMICALS OR POSSIBLE FIRES OR EXPLOSIONS DOES THE ARMY STILL ASSUME IT'S OK TO LAUNCH THERE. IF YOU WOULDN'T LAUNCH MISSILES IN THE GRAND CANYON, OR IN YOSEMITE, WHY LAUNCH MISSILES FROM NOHILI DUNE AT POLIHAE - AN ENVIRONMENTAL NATIONAL TREASURE.

THIS PROJECT HAS ALSO TAUGHT US TO REALLY QUESTION BIG TICKET DEFENSE PROJECTS. AFTER REVIEWING THE REAMS OF MATERIAL CRITICAL OF STAR WARS, MANY OF US HAVE COME TO BELIEVE SDI TRULY STANDS FOR STUPID, DANGEROUS AND INSANE! THAT SPENDING 90 BILLION TO A TRILLION DOLLARS ON A PROJECT THAT FEW BELIEVE WILL WORK AND THAT MOST FEEL WILL ONLY ENRICH DEFENSE CONTRACTORS IS AN ATROCITY.

Responsible Citizens for Responsible Government, PO Box 1440, Hanalei, HI 96714
Phone - (808) 826-9005 FAX - (808) 826-7425

Responsible Citizens for Responsible Government, PO Box 1440, Hanalei, HI 96714
Phone - (808) 826-9005 FAX - (808) 826-7425

Responsible Citizens for Responsible Government



AND FINALLY FROM THE LEGACY OF RONGELAP, BIKINI AND ENEWETAK AND NOW STAR WARS WE HAVE LEARNED THAT WE CANNOT CONTINUE TO USE THE PACIFIC OCEAN AS A DUMPING GROUNDS FOR WEAPON SYSTEMS THAT HAVE BROUGHT US NO CLOSER TO OUR TRUE GOAL OF PEACE.

THE WORLD DOES NOT NEED MORE MISSILES FROM KAUAI - THE WORLD WOULD BE BETTER SERVED BY SHARING HER SPIRIT OF ALOHA. THE DEFINITION OF PACIFIC IS PEACEFUL. LET US LIVE UP TO OUR NAME. LET A TRULY PEACEFUL FUTURE BEGIN HERE TONIGHT ON KAUAI. LET THIS BE THE END OF CONFRONTATION - LET US BEGIN TO DISMANTLE THE TRILLION DOLLAR YEARLY BUSINESS IN ARMS SALES. LET KAUAI LEAD THE WAY INTO A TRULY PEACEFUL 21ST CENTURY.

SO COLONEL GUS, TELL YOUR DECISION MAKER THAT HE AND ALL OF YOU ARE ALWAYS WELCOME HERE ON KAUAI - BUT WHEN YOU COME - PLEASE LEAVE YOUR WEAPONS BEHIND.

MAHALO,

Elizabeth Freeman
ELIZABETH FREEMAN

P.S. I AM SUBMITTING AS PART OF MY TESTIMONY THE VIDEO HOME ON THE RANGE FOR YOU TO VIEW.

Responsible Citizens for Responsible Government, P.O. Box 1440, Hanalei, HI 96714
Phone - (808) 826-7005 FAX - (808) 826-7425

JOHNSAY A. RIKLON, Esq.
P.O. Box 5125
Ehoye, Kwajalein
Republic of the Marshall Islands 96970
Tel: (692) (87) 3100 Fax: (692) (87) 3287

22 August 1991

Members of the Kauai County Council
Lihue, Kauai, Hawaii

Yokwe Kom:
(Greetings)

I take this opportunity to address you on what for us at Kwajalein in the Marshall Islands is a most important issue, the continued firing of missiles to our atoll.

I have only recently been informed (yesterday) of the fact that we would be on the receiving end of even more missiles, this time from the homeland of our cousins in the Pacific - from Hawaii. We were never extended even the courtesy of having our people told of this fact. But for my visit to Hawaii on a totally unrelated matter, our people would still have remained ignorant. As far as I know, I am the only one so informed so far.

People who have not lived on very small Islands do not fully appreciate how precious we take our Islands. In 1956, a delegation of Marshallese leaders addressed the United Nations saying:

Land means a great deal to the Marshallese. It means more than just a place where you can plant your food crop and build your houses, a place where you can bury your dead. It is the very life of the people. Take away their land and their spirits go also.

I imagine the indigenous people of Hawaii can understand our feelings for our land.

The firing of the missiles to Kwajalein atoll threatens the integrity not only of the waters and lands in the vicinity of the target area, but the people living in the nearby Islands as well.

The experience we have already gone through in other experimentation by foreigners have caused us to have very little faith in the representations of their scientists and government agents who continually tell us not to worry. Our children, husbands and wives and elder folks, just by the remaining scars on their bodies speak much louder to us. We can not accept the representations that such testings are safe to

WR220 (cont.)

SIERRA CLUB

Kauai Group of the Hawaii Chapter
Post Office Box 3412
Lihue, Kauai, Hawaii 96766

us. The legacy of Rongelap, Bikini, Enewetak and Utirik remains a daily horror to us and a constant reminder that there can be no assurance of safety.

These people who are firing at us don't even know us. We are just a spot in the Pacific, a target. They know nothing of our customs, our traditions and our history. They have somehow equated the American dollar to the value of our people's health, safety and very lives.

Please understand that we in the Marshall Islands are people who laugh and cry, who bleed and sweat, who have fears and joys and who love our children just as any other people of this planet earth. Just as I am sure the people of Kauai would not appreciate having missiles from Kwajalein targeted for their homeland, I hope you can understand how we would not appreciate your lack of opposition to the STAR/EDX missile program.

No Justice,

John A. Ridon

April 13, 1992

Sierra Club
for the
Kauai
Group

Re: Draft EIS for STARS

Mr. Randy Gallien
Lt. Col. Gus Manguso
USASDC
P.O. Box 1500
Huntsville, Alabama 35807-3801

Aloha, Gentlemen:

On behalf of the Kauai group of Hawaii's Sierra Club, we reject the 'Draft Environmental Impact Statement for the Strategic Target System' dated February, 1992, as inadequate.

The reasons are many. We reject it entirely, and the program it explains, on the basis of principles:

1. The National Sierra Club opposes space-based weaponry, with specific mention given to 'Star Wars' programs.

2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' year-end corporate profits.

3. Further, SDI, with its ever-changing definitions and goals, slithers about with no direction. The STARS/EDX program itself is designed to protect us, some day, against an enemy that no longer exists. (And if the U.S.S.R. still did exist, who's to say they'd politely follow the "gentleman's agreement of attack" and launch an ICBM overtly? Why not the warhead-in-a-drum venue mentioned by so many at the public hearing last month? (see Chaz Jetty's testimony, attached. It was best of the show, for both nights.))

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

Alternatives: Page S-2 of the draft EIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternative would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island/county/state, the least expensive and redundant, and most intelligent choice for a healthy functioning military. As I have previously pointed out, if this country can spent \$561 billion on militarism for 1992 alone and still not protect us from already-vanquished enemies, adding STARS to the fleet won't help one bit.

Printed on recycled paper

WR231 (cont.) Air Quality/Atmospheric Equality:

Air. I recall in reading the EA that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Kwajalein were exempted from the air quality problems, because of our trade winds. I wish to point out to you that hazardous emissions don't vanish when they drift out to sea; consider the mysterious eye tumours of the sea turtles. These creatures are now starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put in the air and in the sea.

Atmospheric Considerations. This is as good a place as any to stand up on my soap-box for a little while:

The question is, can we get smart enough, fast enough, to alter the legacy we've inherited from greedy and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

If we keep at life the way we're going now, we'll simply give them the landfill and poisoned mayhem of a planet once thriving, soon defunct. It's our job to turn this pattern around, change it, make it right.

Human population is expected to double in the next forty years, to 11,000,000,000. Our resources are being depleted faster than they're being renewed - already. We're already in the red. What, please tell me, will it be like when our sons and daughters are our age?

Will our children sit inside except for morning and night because the life rays of our sun have become cancerously fatal to them? Will they shelter their daughters and sons, our grandchildren, from the legacy of greed and thoughtlessness? You and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Every one of us. Or it's all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we've finally noticed that its membrane is rupturing.

Meanwhile, your program would continue to rupture that membrane, to protect us from the ghost of enemies past. I'm told that each launch would deposit the equivalent of 66 refrigerators' worth of freon directly into the stratosphere. This is like injecting heroin directly into the vein. How long can the living live, like this?

(2)

WR231 (cont.)

Biological Resources: The researchers from Novis Landing Marine Laboratory who spoke at the hearing (Tom Novis and Anne Zoidis) encapsulated our concerns very well. [I know you're already onto this, Randy; I saw you taking notes while both of them spoke.] We feel that your launches would occur too close to the birthing grounds of the endangered humpback whales, approximately 25% of whom now use the waters directly offshore from PMRF.

Cultural Resources: Nohili dune is sacred. It is an inappropriate place for war machinery. I refer you to the presentation of various members of Nohili Coalition, Kaleo Patterson's in particular. Please note, in your draft EIS, page ES-3: "The entire land area of KTF and PMRF could be considered archaeologically sensitive because of the cultural resources found within the installation."

Land Use: You have failed to consider the concerns of kanaka maoli in making your plans. I refer you to the presentations of citizen reviewer Kaleo Patterson's guests at the second citizen reviewer meeting, and to Ms. Davanna Magregor's verbal testimony at the public hearing. The land surrounding PMRF indeed, the land underlying PMRF belongs to the Hawaiian nation; Keiaka Sugar Company's lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

Additional Land Use Issues: Please refer to the excellent material submitted to you by Dr. Raymond Chuan attached. Dr. Chuan points out that you hope to "attempt" to notify the State of Hawaii when you stretch the base's boundaries, launch by launch, until they have actually changed in peoples' minds (see also the verbal testimony of Mr. Micco Godinez from the public hearing). Your attempts to colonize the state park and highway, and adjacent Hawaiian land, do not serve us well.

Public Health and Safety: On page ES-4 you mention (under 'Noise') that off-base housing is eight miles away. Base housing is much closer - four miles? three? two? These houses are inhabited by people more directly endangered than the rest of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000' hazard arc; I will reply to you that the oil industry projected that a spill like the Valdez, (yes, you've heard this one from me before...) would occur once in 241 years. It only took seventeen.

Errors are human; they compound one another. One guy's not getting along with his wife; the wind is blowing wrong; the wrong computer program gets loaded; a submarine trips up an underground cable and accidentally shorts out a monitor; a rust gets another one. A message gets garbled on somebody's machine; an almost-right part gets sent instead of the correct

(3)

one; the storage tank was built by somebody with a hangover. Your fuels might get transported down our little highway (as in two of your four scenarios listed): How about the drunk driver, the blowout of a passing vehicle's tire?

These are the elements of disaster. They are never planned. Combine the infinite random variables with antiques of rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.

Infrastructure: Your fire suppression system is $\frac{1}{2}$ " PVC water pipe. That's sure to put out an explosive fire. Socioeconomics: We reject utterly your nation that a catastrophic launch, or even a near failure, would not damage our economy. We are about 90% dependent upon tourism for our livelihood. It's too high a percentage, but it's very real. I would like to point out to the Kauai Economic Development Board has just applied for more than \$1,000,000 in grants to counter the detrimental economic effects of national news coverage of our one-day flood of December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years' worth of closed-off state park access to campgrounds? One missile shot inland by accident? Reduced tourism because of increased ozone depletion and skin cancer rates?

Finally, there are two specific charts that concern me particularly in your draft EIS:

1. On page 2-5, your Strategic Target System Launch Vehicle Comparison chart is invalid. It tells the truth as far as it goes, most likely, but it doesn't go far enough to tell the truth: Where is a comparison of the hazard areas for the missiles in question? How many of them are greater than Kauai's entire land mass?

2. On page 3-5, your Hundred-Year Tsunami Flood Zone Map, honestly depicted as 'not to scale,' has miraculously established that the dune/launch area is out of the tsunami zone. According to Kauai Civil Defense, the entire Mana Plain is in a tsunami zone.

Time moves along, on small scales and grand ones. Since your postmark deadline for comments is barely two hours away, I must conclude these comments. I do so by beseeching you, in your positions of influence and authority, to join our struggle within the grand scale of time. We need your help to preserve this earth. For the life of the land, we thank you.

Kind regards,

Suzanne Marinello
Chair
Save the Marine Chair

(4)

Chas: #4CJ

I believe that lasting peace and prosperity in the world will never be achieved through military might or the threat of violence. The Arabs and Israelis have been at war for over 4,000 years. They used to throw rocks at each other - now they throw missiles. Nothing has changed. Violence only begets violence. Fear begets only fear. Fear and anger serves only to divide people and set them against each other. This is exactly what the arms manufacturers want. This is how they make their billions. This is how they take our money and steal our children's future from us. Deceit and lies keep us fearful and angry and divided, but they are only lies. We were told that the atom bomb would bring peace to the world. That was a lie. They say that Star Wars will make us safe. I believe this also is a lie. It won't stop a nuclear warhead hidden inside an imported car. It won't stop a nuclear warhead hidden inside a sailboat floating into Pearl Harbor. It won't stop Saddam Hussein. If Saddam Hussein wanted to detonate a nuclear device in the United States he could simply hide it in a 55 gallon steel drum, label it "oil" and let Exxon deliver it for him. Star Wars won't work against nuclear terrorists. It's like spending 30 billion dollars to have burglar bars installed on your home, and then leaving the back door open when you go out.

April 11, 1992

Ray Cheuan

COMMENTS ON PROPOSED GRANT OF EASEMENT

1. Easement not related specifically to STARS program, or any program, for that matter. In the preamble, p. C-1, Appendix C of DEIS, the only reference to programs is contained in paragraphs 2 and 3 on that page; and refers only to "Department of Defense and other federal projects involved with the launching, tracking and collection of data associated with guided missiles, satellite and space vehicle research, development and evaluation and military training programs; ..." One has to conclude from this that the United States government intends to use the "easement" for any and all present and future programs, for an indefinite period, since the duration of the proposed "easement" is not yet specified by the United States.

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probably other questions the lawyers can think of, one must ask what kind of secret agenda is behind this newly introduced concept of a broadly framed grant of easement which, if signed by the State of Hawaii, would give the United States carte blanche control over state land (including parts of a state park) without giving the public any accountability. Is this legal?

Can we get the SCLDF to look into this; and possibly include it in the ongoing suit? Are there other cases like this between the US and a state? Does this broad grant of state's rights open a new Pandora's Box? What can we do to get the issues aired? Any lawyers locally who may be interested in looking into this?

Apr. 16 '92 10:51 0000 CHAN HALEI TEL 808-826-1115 P. 2

SIERRA CLUB



Kaua'i Group of the Hawaii's Chapter

Post Office Box 3418

Lihue, Kaua'i, Hawaii 96766

April 13, 1992

Mr. Randy Gallien
Lt. Col. Gus Mangruo
USASDC
P.O. Box 1500
Huntsville, Alabama 35807-3801

Re: Draft EIS for STARSHIPS

Aloha, Gentlemen:

On behalf of the Kauai Group of Hawaii's Sierra Club, our Executive Committee rejects the "Draft Environmental Impact Statement for the Strategic Target System" dated February, 1992, as inadequate.

The reasons are many. We reject its entirety, and the program it supports, on the basis of these principles:

1. The National Sierra Club opposes space-based weaponry of all forms, with specific mention given to 'Star Wars' programs.
2. I believe SDI programs fall outside the scope of the military's direct parameters, and within the governance of private industry. This is anathema to me. Our armed forces are made to function inadequately for the sake of private defense contractors' year-end corporate profits.
3. Further, SDI, with its ever-changing definitions and goals, slithers about with no direction. The STARSHIPS program itself is designed to protect us, some day, against an enemy who no longer exists. (And if the U.S.S.R. still did exist, who's to say they'd politely follow the "gentleman's agreement of attack" and launch an ICBM overfly? Why not the warhead-in-a-drum venue mentioned by so many at the public hearing last month? (See Chaz Jetty's testimony, attached. I thought it was 'best of the show' for both nights.))

As to specific internal failings of the document in question, we submit these comments as reflecting a few of our many concerns:

Apr. 16 '92 10:52 0000 CHAN HALEI TEL 808-826-1115 P. 3

TEL 808-826-1115 P. 3

April 13, 1992
Page two

ALTERNATIVES:

Page 28-2 of the draft EIS encapsulates Sierra Club's position most succinctly: "Selection of the no action alternative would result in no significant impact on Kauai." We favor this choice, the 'no action' alternative, as providing the greatest military safety internationally, the most favorable choice for the internal functioning of our island/county/state, the least expensive and redundant, and most intelligent choice for a healthy military. As I have previously pointed out, if this country can spend \$561 billion on militaria for 1992 alone and still not protect us from already-vanquished enemies, adding STARS to the fleet won't help one bit.

AIR AND ATMOSPHERIC QUALITY:

Air: I recall in reading the Environmental Assessment that all the mainland production and testing sites involved in this project failed to meet air/noise/water quality standards in one fashion or another. Only Kauai and Kwajalein were free of the air quality problems, because of our trade winds. I wish to point out that hazardous emissions don't vanish when they drift out to sea. Consider the mysterious eye tumours of the sea turtles: these creatures are starving to death because they can't see to find food. Those tumours don't just happen; they are caused. They are caused, somehow, by what we humans put into the air and sea.

Atmospheric Considerations: This is as good a place as any to stand up on my soap-box for a little while:

The question is, can we get smart enough, fast enough, to alter the legacy we've inherited from greedy and thoughtless ancestors who created the mess we're in? What are we giving to our young, the children, yours and mine?

If we keep at life the way we're going now, we'll simply give them the landfill and poisoned mayhem of a planet once thriving, soon defunct. It's our job to turn this pattern around, change it, make it right.

Human population is expected to double in the next forty years, to 11,000,000,000. Our resources are being depleted faster than they're being renewed - already. We're already in the red. What, please tell me, will it be like when our sons and daughters are our ages?

April 13, 1992
Page three

Will they go outside only in the morning or at night because the life rays of our sun have become cancerously fatal to them? Will they shelter their daughters and sons, our descendants, from the legacy of greed and thoughtlessness you and I have passed on? We cannot do this to them. We have to change. You and I. Personally. Every one of us. Or it's all over.

We pass laws to limit the amount of freon dumped into the stratosphere because we've finally noticed that its membrane is rupturing.

Meanwhile, your program would continue to rupture that membrane, to protect us from the ghost of enemies past. I'm told that each launch would deposit the equivalent of at least 66 refrigerators' worth of freon directly into the stratosphere. This is like injecting heroin directly into the vein. How long can the living live, like this?

BIOLOGICAL RESOURCES:

The researchers from Moss Landing Marine Laboratory who spoke at the hearing, Tom Novis and Anna Zoidis, encapsulated our concerns very well. [I know you're already onto this, Randy. I saw you taking notes while both of them spoke.] We feel that your launches would occur too close to the birthing grounds of the endangered humpback whales, approximately 25% of whom now use the waters directly offshore from PMRF.

CULTURAL RESOURCES:

Nohili duna is sacred. It is an inappropriate place for war machinery. I refer you to the verbal presentations of various members of Nohili Coalition, Rev. Kaleo Patterson in particular. Please note, in your draft ES, page ES-3: "The entire land area of KTF and PMRF could be considered archaeologically sensitive because of the cultural resources found within the installation."

LAND USE:

You have failed to consider the concerns of kanaka maoli in making your plans. I refer you to the presentations of Rev. Patterson's guests at the second citizen review meeting, and to Ms. Davianna McGregor's verbal testimony at the recent

April 13, 1992
Page four

public hearing. The land surrounding PMRF [indeed, the land underlying PMRF] belongs to the Hawaiian nation; Kokaha Sugar Company's lease will soon expire. You would be remiss to assume that land is yours for the overwhelming.

ADDITIONAL LAND USE ISSUES:

Please refer to the excellent material submitted to you by Dr. Raymond Chuan, attached. Dr. Chuan points out that you hope to "attempt" to notify the State of Hawaii when you stretch the base's boundaries, launch by launch, year after year. This would continue until those boundaries have actually changed in Peoples' minds (refer also to the verbal testimony of Mr. Nicco Godine from the public hearing). Your attempts to colonize the state park and highway, and adjacent Hawaiian land, do not serve us well.

PUBLIC HEALTH AND SAFETY:

On page ES-4 You mention (under 'Noise') that off-base housing is eight miles away. Base housing is much closer - four miles? three? two? These houses are inhabited by people more directly endangered than the rest of us in the event of catastrophic launch failure.

You will tell me that all 'errors' will fall within a 10,000' hazard arc; I will reply to you that the oil industry project that a spill like the Valdez (yes, you've heard this one from me before. . .) would occur once in 241 years. It took only seventeen.

Errors are human; they compound one another. One man may not be getting along with his wife; the wind is gusty; the wrong computer program gets loaded; a boat line drags an underground cable and accidentally shorts out a monitor; rust gets another one. A message gets garbled on somebody's machine; an almost-right part gets sent instead of the correct one. The storage tank gets built by somebody with a hangover.

Your fuels might get transported down our little highway (two of your four scenarios allow this): How about the drunk driver, the blowout of a passing vehicle's tire?

These are the elements of disaster. They are never planned. Combine the infinite, random variables with antique rockets and you have a disaster waiting to explode. Or else you still have a program designed to protect us against a former enemy.

April 13, 1992
Page five

INFRASTRUCTURE:

Your "fire suppression system" is "PVC water pipe.
That's sure to put out an explosive fire.

SOCIOECONOMICS:

We reject utterly your notion that a catastrophic launch, or even a near failure, would not damage our economy. We are about 90% dependent upon tourism for our livelihood. It's too high a percentage, but it's very real. I would like to point out to you that the Kauai Economic Development Board has just applied for more than \$1,000,000 in grants to combat the detrimental economic effects of national news coverage from our one-day fire in December, 1991. How many grants of a million dollars will it take to fix the effects of one rocket failure? Ten years, worth of sporadic access to state campgrounds? One missile gone inland by accident? Reduced tourism because of increased ozone depletion and skin cancer rates?

FINALLY:

There are two specific charts that concern me particularly in your draft EIS:

1. On page 2-5, your strategic target system launch vehicle comparison chart is invalid. It tells the truth as far as it goes, most likely, but it doesn't go far enough to tell the truth: Where is a comparison of the hazard areas for the missiles in question? How many of them are greater than Kauai's entire land mass?
2. On page 3-5, your hundred-year tsunami flood zone map, honestly depicted as "not to scale," has miraculously established that the dune/launch area is out of the tsunami zone. According to Kauai's Civil Defense, the entire Nana Plain is a tsunami zone.

Time moves along, on small scales and grand ones. Since your postmark deadline is barely two hours away, I must conclude these comments. I do so by beseeching you, in your positions of influence and authority, to join our struggle within the grand scale of time. We need your help to preserve this earth. For the life of the land, we thank you.

Kind regards,

Suzanne Marinelli
Suzanne Marinelli
Chair

Enclosures (2)

April 13, 1992
Ray Chun

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WR231 (Cont.)

Apr. 15 '92 10:56

P. 8

0000 CHAN HANALEI

TEL 808-826-1115

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WR232

1

4-10-92

Santos T. Nowye,

I do not want any
portion of the S.D.T. program

on Kauai. T. feels inconcievable
that a so called "civilized"
population could participate in
this program. I do not support
military expencitices of this kind
with my job S.O.

Fernando Santos

Steven C. Stocker
Box 910
Kilauea HI
96754

4-9-92

Senator Daniel Inouye

4/7/92

Dear Senator Inouye,

We do not want to have the Star Wars Program on Kauai. We are concerned not only about the unforeseen environmental impacts and more damage to the ozone layer, but also negative consequences for the tourist industry, our main source of income.

We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Mahalo,
Ani Matthews
P.O. Box 869
Kilauea, HI
96754

I would like to express my appreciation at your efforts at getting the environmental impact statement done. I didn't feel the EIS was done as thoroughly as I would have liked. It didn't include the possibilities of accidents either at the launch site or the fuel travel on the road, water or by air. So, have us believe STARS would only damage some ferns and culture is absurd. I remember not too long ago the damage Hurricane Ina did to our island and to our tourist economy. This was a natural disaster that took us many years to recover from. I doubt we could ever recover from a man made disaster like the one STARS could provide. The damage seems endless. Endangering our plant and animal life, infringing on a Hawaiian sacred site, jeopardizing our air, water and fishing, and more damage to our ozone layer. All these items are critical to our well being and to the tourist industry. I ask that you do not endanger my life or my families life and put an end to the STARS program.

Thank you
Suzanne Makarewicz

WP233

April 9, 1992

The Honorable
Daniel K. Inouye
Senate Office Building
Washington, D.C.

Dear Senator Inouye:

"Star wars" should be scrapped, not only on Maui, but everywhere. It is unconscionable, not to mention a threat to justice, to pour billions of dollars into a pipe dream while our entire country is in the throes of a deep recession and much of the citizenry is in want and need.

Respectfully,
June 4, 1992

Roman Makarewicz
P.O. Box 575
Kilauea HI 96754

April 8, 1992

THE HONORABLE
DANIEL INOUYE
WASHINGTON, D.C.

Dear Sir:

THE OVERWHELMING
MAJORITY OF HAWAIIANS
HAS SPOKEN, IN NO
UNCERTAIN TERMS:

No Star Wars on
our FRAGILE ISLAND!

RESPECTFULLY,

Roman Makarewicz

ROMAN MAKAREWICZ
P.O. BOX 575
KILAUEA HI 96754

WR236

WR235

WR237

MOSS LANDING MARINE LABORATORIES

CALIFORNIA STATE UNIVERSITY, PLEASANT HILL, SAN FRANCISCO BAY AREA, CALIFORNIA, USA



To: Deputy Commander
U.S. Army Strategic Defence Command

From: Salvatore Cerchio
Moss Landing Marine Laboratories

Re: Draft E.I.S. for the Strategic Target System

Date: April 13, 1992

I am writing this statement in response to the Draft E.I.S. for the Strategic Target System and will specifically address the potential impact on the endangered cetacean species *Megaptera novaeangliae*, the humpback whale, in the offshore coastal region adjacent to the P.M.R.F. and the coastal waters of Kauai. In 1989 I initiated a long term research project on the distribution, abundance and behavior of humpback whales of Kauai, and have coordinated this project for the last four years through 1992. In 1991 and 1992 I was joined by an associate, Tom Norris, whose verbal and written statement is also of relevance to this topic. My effort has focused on collecting identification photographs of individual whales in order to quantitatively assess the size, distribution and migratory characteristics of the whales that winter each year off Kauai. I am further using this sample in conjunction with other researchers throughout the Hawaiian Islands to re-assess the status of the Hawaiian population of humpback whales and to investigate the distribution and movements of this population among the Hawaiian Islands. Concurrent with this research, I have been recording the vocalizations of breeding humpback whales, classically known as "songs", in an effort to examine temporal and geographic variation of this acoustic display across the Pacific Ocean Basin. Preliminary results from these studies have been presented and discussed at recent meetings of professional scientific societies (Cerchio and Gabriele, 1990; Cerchio, Gabriele and Frankel, 1991) and a thorough analysis of these data is currently in progress.

Since the data presented on humpback whales off Kauai and the P.M.R.F./K.T.F. in section 3.4.3.2 of the E.I.S. is largely outdated and misleading, and since I was not consulted during the drafting of the E.I.S., I find it of critical value to report to you my preliminary results and observations over the past four years. The range of coast covered during this project stretches from Makaeha Point counter-clockwise around the island to Makahauna Point. Much

WR237 (Cont.)

of the effort has been concentrated off the west side of the island between Nohili Point and Kekaha, since my observations have indicated that this area has consistently had the greatest concentration of whales within my range. During the years 1989, 1990 and 1991, we collected 430 observations (identification photographs) of 376 different individual whales (Cerchio et al., 1991). I suspect that this represents only a fraction of the whales that used these waters for two reasons: 1.) only a small percentage of individuals were sighted more than once each year (4% in 1989, 4% in 1990, and 12% in 1991) indicating a large population, and 2.) we successfully identified approximately 60% of the whales we approached to photograph, we approached approximately 50% of all the whales we sighted, and we worked on only 30% to 60% of the days between mid-January and late-April depending on the season. This leads me to believe there were many more whales in the study area that were not identified than were identified throughout the seasons. I applied these data to mark-recapture models of population abundance estimation, using each year as a separate sample, in order to get an estimate of the number of whales that have used this breeding area over these three years. A Schnabel estimator of abundance model (Seber 1982), recommended for use with multiple years of mark-recapture data by Baker and Herman (1987), provided a population estimate of 3022 (95% C.I. +/- 1647) (Cerchio et al., 1991). Analysis of the 1992 photographic data is currently underway, and I suspect that this years sampling will add at least 200 more observations with similar resighting rates, and will serve to increase the precision of this estimate.

The sample of photographs from Kauai was also compared to the University of Hawaii catalogue of individual humpback whales from the Island of Hawaii in order to assess the movements of whales among the islands (Cerchio and Gabriele, 1990; Cerchio et al., 1991). From a total sample of 1089 different individuals photographed over 1989-91, only 40 individuals were sighted in both regions; furthermore, there was a statistically significant trend for individuals to be re-sighted off the same island which they were initially sighted (Cerchio et al., 1991). This indicates the possibility of partial segregation of the Hawaiian population among the islands, and stresses the importance of Kauai as a unique breeding habitat apart from the other islands. In 1991, an individual was sighted off Kauai (close to P.M.R.F.) that had been previously sighted in Japan in 1990 (Darling and Cerchio, in press). This represents the only observation of the movement of a humpback whale between Japan and Hawaii to date, and comes after an extensive comparison of photographs from Japan and the central and eastern North Pacific from 1975-1990, further indicating the uniqueness and importance of the Kauai breeding region.

Along with collecting identification photographs of Kauai, we also made visual observations of all sightings of humpback whales (both photographed and not photographed) throughout the seasons. All behavioral classes of whales that have been described in the literature have been observed off the P.M.R.F./K.T.F. These include mothers with calves, males engaged in acoustic courtship displays (song) and large competitive courtship groups, indicating that this region is an active breeding area. My personal observations over the four years indicate that the area off P.M.R.F. between Nohili Point and Kokole Point contains the greatest concentrations of whales within my range. This is best illustrated by data from 1991 and 1992, reported also by my associate Tom Norris. In 1991, of a total of 368 sightings of whales, 198 were sighted off P.M.R.F., and in 1992 (prior to 23 March, mid-season) 190 sightings were made off P.M.R.F. of a total of 276 sightings. In both these cases over 50% of the sightings were made in a region where less than 50% of the effort was concentrated. Sightings of mothers with calves seem to follow this same trend; of 22 sightings of mother-calf pairs in 1991 and 1992, 12 were sighted off P.M.R.F. It is also important to note that the population off Kauai is fluid and individuals are constantly moving around the island; I have on several occasions followed groups of whales into the P.M.R.F. region from as far as Poipu. These observations are supported by an aerial survey study conducted by Mobley and Bauer (1991), which indicated that the regions around Niihau, the west side of Kauai and the intervening channel showed some of the greatest concentrations of whales among the Hawaiian Islands.

I have also recorded the breeding songs of 141 humpback whales between 1989-91. I suspect that the efforts of Tom Norris and myself will add recordings from at least 50 more whales by the end of the 1992 season. Although I do not have the exact numbers available, many of these recordings were made off the P.M.R.F. area. From my observations, I believe that the region off the P.M.R.F. may represent a preferred zone for singing whales, which would be expected from the observations of high concentrations of reproductively active whales. I have heard on many occasions what has been termed "chorusing", in which several singing whales spaced relatively closely can be heard at once. This behavior seems to be more prevalent off the west side of Kauai then in other parts of my range.

I believe that I have demonstrated that the coastal waters of Kauai and particularly the region off the P.M.R.F. on the west side of the island is critical and sensitive breeding habitat for humpback whales. I feel that the E.I.S. has both underestimated the abundance of whales in this region and the importance of this habitat. If the statement in section 4.4.4.3 of the E.I.S. concerning

2 Environmental Consequences and Mitigations, which claims that the presence of a whale will delay a launch, is taken seriously and held to, then I fully expect that there will be no launches during the months of January through April. I furthermore think that this should be the case, from the perspective of the population of endangered humpback whales. Consideration should also be given to other sensitive species that reside in the area year round and that are protected by the Marine Mammal Protection Act and/or the Endangered Species Act.

3 Finally, I support all statements and recommendations made by my research associate, Tom Norris, and I ask that you refer to his statement in conjunction with my own.

Literature Sighted

- Baker, C.S. and Herman, L.M. 1987. Alternative population estimates of humpback whales (*Megaptera novaeangliae*) in Hawaiian waters. Can. J. Zool. 65:2818-2821.
- Cerchio, S. and Gabriele, C. 1990. Inter-island movements of humpback whales in the Hawaii Islands: a study of two seasons on the Island of Hawaii and Kauai. Poster presented at the American Cetacean Society Fourth Biennial Conference. Monterey, California.
- Cerchio, S., Gabriele, C., and Frankel, A. 1991. Inter-island movements of humpback whales in the Hawaiian Islands: three seasons off Hawaii and Kauai. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals. Chicago , Illinois.
- Darling, J.D. and Cerchio, S. In press. Movement of a humpback whale (*Megaptera novaeangliae*) between Japan and Hawaii. Mar. Mam. Sci.
- Mobley, Jr., J.R. and Bauer, G.B. 1991. Changes in distribution of humpback whales on the Hawaiian wintering grounds: 1990 aerial survey results. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals. Chicago , Illinois.

- 1** Seber, G.A.F. 1982. The estimation of animal abundance and related parameters. Macmillan Publishing Co., New York.

MARCH 13, 1992

Dear Mr. Gallien,

I am writing in regards to the speakers meeting held in Kauai Hawaii this last March '92. I was informed that writing a letter by April 13, '92 (postmarked) would count as a vote of 2 at the meeting. If your vote is the only vote that counts in the end, please consider this in your representative decision making:

As a concerned citizen living in Hawaii I should firstly state that I am against what I feel is a sacralize to the Hawaiian people, as well as the sacred lifestyles of the indigenous people of the Marshall Islands.

Besides the obvious dangers of bombing near the innocent people of the Marshall Islands and their sacred homelands the dangers this operation promises to Hawaiian citizens is catastrophic:

Facts:

Although SDI (Special Based Nuclear Defense Weapon System) presented a flawless report to Congress to get more money funded. On March 13, 1992, when SDI experimentally shot a missile to be intercepted by another missile coming from a different area - It missed. I fear to think SDI tries to insure this "safe" ~~inference~~ ^{inference} to the public.

WR238 (cont.)

although this image and the safety if insure are obviously false is fact.

And are you aware that Polaris, Aries, and Zeest missiles have all proven high failure rates with great danger to both the environment and humans. Perhaps most importantly, it is with these missiles that SDI proposes to shoot on an island only 550 square miles round, saturated with thousands of Hawaiian people and tourists? Even when it has been advised that the Aries missile needs ~~less~~ 500 square miles surrounding it to be "safe". Please dont vote to allow a faulty missile blow that would make Hawaii the other experimental "Slum of the Pacific" ~~Marshall Islands~~.

This is what SDI thinks is ok to do to people like the Marshall Islands, now one of the most depressed densely populated parts of the earth.

Thank you for your time you may be our only hope if we are to believe in this system any longer

Yours

*
Star Wars or "Stars"
* *

Greetings Mr. Bullitt April 9, 1992
Life magazine has our planet as
its cause. This planet is our home. That
is our home. Payne, Webster & Mayle
also live in our waters. They are
mammals, so are we. Just as water
and environment are good layers need
care & protection as we are all keep living
"Behold the Earth" & feel builded as
to us by after all the findings of our
environmental damage, this is what
we do & except as contribution
of a few needs about the public hearing
at the war memorial, I was shakeed &
ill at the disappearance of human right
displayed by the army. The shock
more of humanity, anger, fear &
credibility followed by a directed towards
the class of those who tragic
yesterday, I implore you, you
already know all there is to know of the
process, case, so now please act upon this
knowledge & wisdom. Stop the
signatories. No action, deposit
make sense, The risks are too deadly,

WR239 (cont.)

1

"we want to live without the tickets"
red globe, the hands bursting in air"
"So there be peace on Earth & let it begin
with me." I love you, I bless you,
my peace I leave with you
Kissing you to the nightingale
I remain respectfully yours
Howard J. Lubinwell Agua

Mother of Goddess West 32 yrs
Nicki Lubinwell 30 yrs

grandmother of Carla Shai Lubin West 13 yrs
grandmother of Kalista Shai Wong 8 yrs

BS. Please read the life message
and hold the Earth

God bless the all

WR240

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sir,
I appreciate being able to read the Army's EIS for the Star project at Barking
Sands on Kauai. I remain opposed to the Stars project for the following
reasons:

1. Scientists who have worked for years on the program have publicly asserted (Common Cause, Newsweek, Honolulu Advertiser) that Stars is a "boondoggle", a fraud; that, after billions of dollars of research, the project is only a computer simulation; that the project would - even if it were technically feasible and affordable, only produce spotty protection. On top of this, the Patriot missile has been cited as a success story that justifies continuing STARS testing and research. However, last week, national news stories revealed that the reliability and effectiveness of the Patriot was far, far less than originally assumed. The successes of the Stealth airplane were similarly discredited. There is no point in expand the PMRF facilities to test a patent defense dream.
2. The nation does have the money to waste. The cost of military spending in proportion to other national needs and the actual small security benefits derived from those expenses is an underlying cause of the disintegration of the Soviet Union. Our military dollars should be spent paying for well trained, well equipped, well paid combat and support troops.
3. Peace is costly. The dividend of peace is peace and, hopefully, new prosperity based on reallocation of defense dollars to education, health, housing environment and infrastructure needs in the USA and worldwide. The cost of peace is jobs in the defense industry and that is a real and painful price. On Kauai, over 2000 people feel jeopardized by the possibility of the no STARS, though, apparently it is not their jobs which are jeopardized.

WR241

1

2120 Kakeia Pl
Honolulu, HI 96822
(permanent: Box 404
Kilauea, HI 96754)
April 13, 1992

Deputy Commander
US Army Strategic Defense Command
Attn: CASSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Sir,

I appreciate being able to read the Army's EIS for the Star project at Barking
Sands on Kauai. I remain opposed to the Stars project for the following
reasons:

1. Scientists who have worked for years on the program have publicly asserted (Common Cause, Newsweek, Honolulu Advertiser) that Stars is a "boondoggle", a fraud; that, after billions of dollars of research, the project is only a computer simulation; that the project would - even if it were technically feasible and affordable, only produce spotty protection. On top of this, the Patriot missile has been cited as a success story that justifies continuing STARS testing and research. However, last week, national news stories revealed that the reliability and effectiveness of the Patriot was far, far less than originally assumed. The successes of the Stealth airplane were similarly discredited. There is no point in expand the PMRF facilities to test a patent defense dream.

2. The nation does have the money to waste. The cost of military spending in proportion to other national needs and the actual small security benefits derived from those expenses is an underlying cause of the disintegration of the Soviet Union. Our military dollars should be spent paying for well trained, well equipped, well paid combat and support troops.

3. Peace is costly. The dividend of peace is peace and, hopefully, new prosperity based on reallocation of defense dollars to education, health, housing environment and infrastructure needs in the USA and worldwide. The cost of peace is jobs in the defense industry and that is a real and painful price. On Kauai, over 2000 people feel jeopardized by the possibility of the no STARS, though, apparently it is not their jobs which are jeopardized.

WR241 (cont.)

but the expansion of the base with additional jobs. However, in Los Angeles alone over the next 5 years, it is estimated that over 480,000 jobs will be lost because of peace. This is a dreadful high cost, but it is still a sound price to pay in the long term interest of the survival of our species and for the turn around of our economy.

Please, my opposition to the STARS program has deepened over the past year because of the opinions of the scientists who have worked in the program and because of world events. I also have greater respect for the ARMY for the fair way you have conducted hearings on this issues and for your response to the public and Hawaii's leader's concerns. The ARMY has better things to do than to push ahead with STARS.

Aloha,

Beryl Blaif
Beryl Blaif

WR242

Dear Deputy Commander,

I am writing to you regarding the Strategic Target System program for Hawaii.

After attending the public hearing and reviewing the EIS, it is clear to me that the EIS does not sufficiently address the impact of the STARS program. It is the opinion of my family friends and I that this program should not be allowed here. The culture, economy and environment cannot sustain such an impact.

Therefore, please - no impact!
Thank you for your consideration.

Sincerely,

Jay Jink

Po Box 1052
LAWAII KAUAI HI
96705

4/12/92

WR243

9 April 1992

Dear Senator Inouye -

I am the mother of 3 young children. My husband and I moved here 10 years ago to raise our family in the best environment possible. Naturally we are concerned about the future of our lovely island.

We do not support the Star Wars

Program on Hawaii ~ there are too many negative, perhaps disastrous, consequences which could arise from such a program.

We support the people at PIRF but NOT STAR WARS

Please do what you can to prevent it! Sincerely with Aloha

Richard Frailey
RICHARD FRAILEY
BOX 267
ANAHOLA HAWAII 96703

WR244

4-9-92

To D. R. Gallin -

I am opposed to any bases planned for the island of Kauai. Any accident could mean death & destruction to all of us on this beautiful island.

District plan something to save. We really do need peace - no more missiles.

Thank you.

Sincerely,
John Hudson

JOHN HUDSON
PO BOX 161
KETIA, HI 96751

[WR245 (cont.)]

4860 Mauna Iho Place
Hilo, Hawaii 96720 USA
April 11, 1992

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V
(D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

Dear Deputy Commander:

I wish to submit public comment on the Draft Environmental Impact Statement (EIS) for the Strategic Target System dated February 1992.

I decided to address this comment to you after reading in the April 8, 1992 issue of the Honolulu Star-Bulletin that France has announced it will suspend its nuclear testing program and is urging other nations to follow suit. This is wonderful news!

The former Soviet Union, now the Commonwealth of Independent States, instituted a moratorium on testing last year. With the end of the Cold War, where is the danger of a missile attack coming from? Any danger is more apt to come from terrorists who would not resort to missiles to fire nuclear or other explosives.

I am a missionary of the United Church of Christ, a Protestant church of 1.6 million members, and as presently stationed in Hawaii assigned to work on Pacific and Asian concerns. From 1970 to 1988 I served as a missionary in Asia. At the end of 1991 I completed a three-year term as the interim coordinator of the Pacific Ecumenical Forum, an ecumenical network consisting of the Churches and the Ecumenical Councils on the West Coast and Hawaii. During my work with the Pacific Ecumenical Forum I was privileged to travel to various Pacific Island nations and to meet many of their church leaders. I was one of the resource persons for the 10th Youth For Christ conference held in Majuro, Marshall Islands in June, 1991 and attended by almost five thousand youth, including a large delegation from Ebeye.

My major concern in your draft EIS statement is the cultural destruction that will affect both the Native Hawaiian and the Marshallese people. The Pacific Missile Range Facility in Barking Sands on Kauai is located on "S(f) Ceded lands," and the nearby Hawaiian Homelands in Kekaha are bound to be affected by the slightest testing mistake. Past testing in the Marshall Islands has been the major cause resulting in the close to 10,000 people now living in overcrowded conditions on Ebeye, an island the size of the Ala Moana Shopping Center!

You must include in the final EIS report the possible cultural impact the missile testing program will have on both the cultures of the Native Hawaiian people and the Marshallese, especially those living in Ebeye island. I have been informed that the EIS statement that was made available in a hearing on Ebeye was only in English and not available in the Marshallese language. Is this true? If so, how can you expect to have adequate response to the EIS process?

I am concerned about the effects of hydrogen chloride emissions on the environment of Kauai and the effect of the release of freon on ozone depletion. Since the atolls of the Marshall Islands and Kiribati are low-lying, even a one meter increase in height of the ocean will destroy a significant land area of these countries.

I urge you to follow "The No Action Alternative" of the program to launch the SDI or "Star Wars" vehicles from the Pacific Missile Range Facility on the island of Kauai, Hawaii to land in the vicinity of Kwajalein Atoll in the Marshall Islands. I am not in favor of closing down the Pacific Missile Range Facility on Kauai but urge you to consider a conversion of the facility to producing products of a peaceful nature.

Thank you!

Sincerely yours,

Ronald S. Fujisawa, Missionary
United Church Board for World Ministries

[1]

[WR245]

WR246

4/10/92

To whom it may concern:

As a resident of Kauai, as a citizen of the USA I would like to voice my position with regard to PMRF and STAR WARS EXPERTIMENTATION. I am for PMRF. I am against STAR WARS BALLISTIC MISSILE TESTING.

Sincerely,

Mrs. J. Bailey
Lihue, Hawaii

April 6, 1992

WR247

Dear Sen. Daniel Inouye and Mr. Rydel Collier,

I am an history instructor working at Kauai Community College. I grew up in Kauai. PMRF was around as long as I was and I have never had cause to protest the base or its projects. Until now. I am strongly opposed to the STARS missile launch program. I do not believe in the need for such a program, especially on Kauai. Please do not let this happen. It is dangerous and works against a peaceful community. Kauai should not support a force that will destroy the earth or its people. PMRF is it stands is not in problem. STARS is.

Thank you for your time.

Sincerely,

John Murphy

Carroll M. Orey

4934 Hanalei Rd.

Kauai, HI 96744

[WR248]

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
 2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
 3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
 4. I do not want my tax dollars to perpetuate human rights violations upon the people of Ebeye.
- We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,



Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To the Deputy Commander,
After reviewing the Draft E.I.S.
I worry and wonder what contact
be considered to have - no environmental
impact. With the right words to express
you could write you way out of a severe
second Nuclear Test.
If one in ten rockets fail on the
dry side of Kauai who will profit
first in business can you and yours
rest? Please find a better
way to spend your time. Retool it
Save the oceans.

Name Thomas S. Pickett
Address P.O. Box 630 Kilana HI 96754
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

[WR249]

WR250
April 6, 1992

To: HONORABLE SENATOR DANIEL INOUYE
MR. RANDY GALLIEN

As a concerned citizen of the island of Kaua'i, I would like to voice my opposition to the proposed use of Kaua'i as a missile launch site. Especially in view of the fact that the area in question has such cultural and spiritual importance to the native Hawaiian. Another item is the question of safety. If this is so safe and environmentally sound, then why is this system not tested on the mainland, which is a lot closer to the areas in which the materials would be manufactured and produced? Why are native peoples forced (through force) to be evicted from their ancestral lands and lifestyle? This seems so similar to the plight of the people of Bikini atoll and the refusal of the United States follow through on their promises. In light of recent developments concerning the breakup of the Soviet Union, why is this system needed anyway? Hawai'i, and especially Kaua'i, does not want to be a dependent of the United States Military. The establishment of this program is a step toward military dependency. Not having the program doesn't mean jobs will not be available or people will be losing jobs. This is a fallacy that is being promoted by those who approve of experimenting with other peoples lives, culture, lifestyle, and land (as long as they themselves are not affected). Please help keep Kaua'i from becoming another Kaho'olawe.

MALAMA PONO,


DENNIS CHUN
2830-A Upana St.
Lihue, Kaua'i, HI
96766

WR251
4/3/92

1
Dear Senator Inouye
and Mr. Gallien,
The conflict over the SM-3 has been very painful for our community. Until now, PMRF has enjoyed a friendly relationship with its neighbors. This situation has brought some ugly feelings to the surface - based on fear, mistrust and anger which, I believe, has been purposely created and manipulated by those with economic interests as their hidden agenda. But this is not about money - it is about peace, sanity, our children, our environment and our spirits. Please send some other work for these folks to do which will contribute to the health & welfare of their community, and protect our tiny island from the military weapons systems.

Thank you, Dennis Chun

H. Chun, Boccaz, Kaua'i, HI 96754

WR252

Dear Senator Daniel Inouye
in Mr. Crallien,
4/2/92

I am asking you to please stop
the Star Wars project on Kauai.
PMRF has done fine without it.
The missiles are dangerous
to our environment - immediate
atmospheric.

Mahalo,

Jullita Jones

Jullita Jones
PO Box 735
Kilauea HI
96754

WR253

100 Paupae Rd.
Kapaa, HI 96746
Senator Daniel Inouye
and
Mr. Randy Gallien

I am a student at KCC and am
concerned about the STAR missiles being
launched from Kauai at PMRF.

I do not agree that it should
be launched from Kauai because of
how small our island is. The effect
of the missiles will have been launch and
contaminate our land and destroy every-
thing at the same time.

So Please stop the STAR missiles
from ever being experimented on this
island.

I thank you
[Signature]

Marciana Garme

WR254

To whom it may concern:

I have lived in Ha'ena, for nine and half years, painting my experience of the majestic and mystical wonder that is the beauty of this Pacific Island. On my side of Kauai is the north gateway to the NaPali coast, and through my ear, Barkley, Sandy and Pohnie seem on the other side of the earth, the missile base there is actually no further from me than Ktauea. That the army wants to test these ancient, outdated rockets, that they will be blasting them off from a sacred heiau, that they will be shooting them off in my neighborhood, from this premier coastline reveals the minds of madmen.

The EIS conducted by the military could hardly be an objective piece of research, and in fact is so broadly speaking and generalized in its terms that it cannot be seriously considered as a foundation document for such life and death decisions as the placement, distribution and firing of these antique weapons.

I am opposed to the star wars missile program at POGF and feel the threat of test of projects is obfuscation. That these launches are being aimed at other islands whose people have been given no voice in the matter shames me for my country. It stems the military has no conscience, certainly not one I can trust.

Murphy's Law has a name for a reason; because things do go wrong. Remember the scene in "Body Heat" when the ex-con tells James Hurt that even if you think of all the things that could happen, there will be 50 more you didn't think of? The army thinks it has thought of all the eventualities. Kauai residents have thought of a few possibilities too, yet the unimaginable ones lurk as well.

Hold the nightmare. There must be NO ROCKETS IN PARADISE.

Sharen

Evelyn de Buhr

Evelyn de Buhr
PO 153, Hanalei, HI 96714

WR255

To whom it may concern:

I have lived in Ha'ena, for nine and half years, painting my experience of the majestic and mystical wonder that is the beauty of this Pacific Island. On my side of Kauai is the north gateway to the NaPali coast, and through my ear, Barkley, Sandy and Pohnie seem on the other side of the earth, the missile base there is actually no further from me than Ktauea. That the army wants to test these ancient, outdated rockets, that they will be blasting them off from a sacred heiau, that they will be shooting them off in my neighborhood, from this premier coastline reveals the minds of madmen.

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Hold the nightmare. There must be NO ROCKETS IN PARADISE.

Sharen

Evelyn de Buhr

Evelyn de Buhr
PO 153, Hanalei, HI 96714

Amy C. Nishihira
Post Office Box 95
Kalaheo, Hawaii 96741

April 7, 1992

Dear Senator Inouye and Mr. Gallien,

[1] I am a long time resident of Kauai. It has come to mind that the STARS project, targeted to be tested on Kauai, is inappropriately placed. I object to the placement of STARS for a few reasons.

[2] First, the ground safety area of 10,000 square feet is inadequate compared to the 18,000 square mile ground safety area at Canaveral. I am not sure if 18,000 sq. miles is needed for this project, but it does strike my attention that the aborted Aries missile did filing its burning debris three miles in different directions. Why then does this STARS missile which is a good five feet longer have the ground safety area of a small play ground?

Second, should the missile need to be aborted along its path, and near in destination to Nihiwai island or Kwajalein Atoll, and its prevailing winds are North-Easterly, can you guarantee the safety of all lives near in proximity? I speak in reference to the hazardous emissions and chemicals hydrogen chloride and aluminum oxide.

Thirdly, I feel that the government is making a choice that involves risks with the lifestyle and health of Hawaii's people. I believe that this experimental tests encompasses not just the PMRF base on Kauai, but also the surrounding lands and residents. Morally, if you are willing to take risks and it affects only you, then it is permissible. However, should you involve other human beings against their will, you are taking away the fundamental rights of citizens of the United States of America. This is a protection that cannot be violated, not even for national defense.

I do not assume that Strategic Defense Command will consider the feelings of the residents over matters of national defense. But I do depend on our elected government officials to relay these concerns to them and do your utmost to address these concerns yourself. We are relying on you to make this STARS program strategically safe for those not wishing to take these risks.

Thank you for your consideration on these vital matters.

Respectfully submitted,

Amy C. Nishihira

Amy C. Nishihira

WR257

4-7-92

to: Senator Daniel Inouye
Mr. Randy Gallien.

I am strongly against the STARS project being done here on Kauai. I've had to do a lot of research on STARS for an English paper, and with the evidence given I feel that STARS is a big risk and hazard to our island. Please don't put it here.

A. Brue
1691 Keleka Road
Koloa, HI 96756

WR256

April 7, 1992

To Senator Daniel Inouye and
Mr. Randy Gallien:

I am strongly against the Strategic Target System project on the Island of Hawaii. The STARS program is not necessary here. Our people are very concerned about this environment.

Sincerely,

Ferdinand Mariano
Ferdinand Mariano
P.O. Box 932
Kekaha, HI 96752

[WR259]

Senator Daniel Inouye
Washington, D.C.

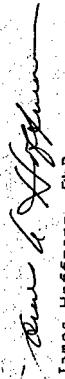
ATTENTION: RANDY GALLIAN

As a resident of Kauai who votes, I am writing to voice my support for the Pacific Missile Firing Range facility and the people who work there. However, at the same time I STRONGLY OPPOSE the "STAR" wars. I oppose the concept and I oppose spending any money at all on research or implementation of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education and we are being overwhelmed with garbage, lack of recycling options, overfishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.



James Hoffmann, PhD
Box 321
Hanalei, Kauai
Hawaii, 96741

Date: April 6, 1992

Apr. 1 / JGZ

To Senator Daniel Inouye & Mr. Randy Gallian,
Totaly against the STAPS

Although the STAPS is a good program, the results of failure could be catastrophic for our island. I think that our heritage should be preserved & our program's

The STAPS program.

Sincerely,
John A. G. Z.
Jess Carbone!
P.O. Box 762
Koloa, HI 96756

[WR258]

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I requested an EIS without I scheduled time to appear at your hearing and didn't get my copy at that time; the fact that the people of the Marshalls was not addressed unless you EIS not about the project it was addressed over we as the USA, are going to have to answer to this attack, and I as a tax paying citizen demand that we answer to this now! Give back the Marshall Islands & their life style! Kauai is a spherical Island block to hell & long & live life without a threat of war & disaster. I vote no rocket than & you!

Name Robert W McHenry
Address P.O. Box 586 Kilacery HI 96734
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR261

4-6-92

To Senator Inouye & Mr. Gallen

1
I oppose the Star Wars Defense program here on Kauai for environmental Reasons.

however I do support the Pacific Missile Range Facility in Kekaha

Mehalo

each zenith

P.O. Box 513

Kilauea Kauai
96754

WF260

WR26

Senator Daniel Inouye
Washington, D.C.

ATTENTION: RANDY GALLIAN

As a resident of Kauai who votes, I am writing to state that I STRONGLY OPPOSE the "STAR" wars. I oppose the concept and I oppose spending any money at all on research or implementation of the project.

Our environment is in a precarious position. The economy is fragile. The educational system is failing in part due to lack of adequate funding. Why not spend our tax dollars on research and implementation of unique, innovative solutions to these real problems instead of on a system, equipment and materials that will hopefully never be used?

Kauai is a microcosm of the problems in the rest of the nation. Students are not receiving an adequate public school education. We are being overwhelmed with garbage, lack of recycling options, overfishing and water pollution, etc.

Changing spending priorities to the environment and education will not only put much needed dollars to work today but will also continue to have a positive impact in the future.

Sharon Smockhoffmann PhD

Sharon Smockhoffmann, PhD
Box 321
Hanalei, Kauai
Hawaii, 96744

Date: April 6, 1992

4-6-92

April 2, 1992

IC: Deputy Commander
U.S. Army Strategic Defense Command
U.R. Gallien
and
Sen. Inouye

Having spoken at the "STARS" hearing in Lihue on March 25th, 1992, I also wanted to express my feelings in writing.

As a farmer on the North Shore of Kauai, I do not feel that launching of rockets from this island would be anything but harmful to the environment. While I support FMRF, I cannot support the proposed program.

I am already beginning to question just how much damage to my crops is due to the irresponsible destruction of our precious eco-system. Will the farmers of the future be growing our food underground if we continue to destroy our environment?

Respectfully,

Chad J. Seal

North Country Farms
P.O. Box 723
Kilauea, Hi. 96754

I am against the Starway project on Kauai for
or anywhere else for the following reasons:

- 1) from the point of view of local politics:
this small and beautiful island should be a
place of above and peace
war preparations and their implications do not attract
visitors, our main source of income
- 2) from the point of view of environment:
you get heavy fires for littering highways or
coupling with security installations.
how can the military tamper with the ozone
layer, our life - protecting shield, and tamper
with this fragile eco - system of Kauai and make
unknown consequences. In Vietnam they also told
Agent Orange had no damaging effects on human
being, today we know that this was not true.
- 3) from the point of view of democratic rules:
How objective can a study be if done by the
interested party itself? Despite the outcome
of the EIS clear from the beginning?
- 4) from the point of view of economy and jobs:
the main population with the fear of losing one's
livelihood is an old - one.
couldn't we think of many more meaningful jobs
created from all those billions of tax money
could it not be channeled into life - preserving

II

instead of life threatening ~~activities~~ activities?

- 5) last not least from the military strategic point
of view:
there is no such thing as a perfect defense system.
we have needed a period in there, where not the
military defend us against an enemy - who
after the fall of the iron curtain is re-created
by the export of billion-dollar worth of armament.

Do we have to defend ourselves against the military
machine that has the country of resources in
terms of material, environment and human
in the general directly needed elsewhere.
I don't feel my life is saved by them but
thoroughly.

live outside this vicious circle to be broken.

It's time now before midnight on the environmental
world clock. We can't afford any more waste and
ignorance over the other earth need. & be headed by
our joined efforts.

In right
TRUNG TILLMAN
PO Box 818
KIAWAHA, HI 96764

WR265

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I oppose STARS MARS due to
an inadequate EIS which made
it evident a missile launch would
devastate Huntsville.

Thank you

Name Joni Riley
Address Box 1458, Huntsville

City/State/Zip Code
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR266

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

April 7, 1992

With whom it may concern:
I do not feel that the Draft EIS
adequately addresses some of the potential
damage that could affect our tourist-dependent
island economy.

This island is supposed to be a place
for people to get away from ~~the~~ ~~very~~ this
very type of activity.
I also feel this particular program is
a waste of tax payers' money. We could be
doing more valuable work at PMRF.

Name Kathleen K. Pickett
Address P.O. Box 630, Kilancua HI 96754

City/State/Zip Code
Kilancua HI 96754

Day/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

To whom it may concern -
Kilauea, HI 29. '92

This letter is in the city of Kilauea and not located opposite to
Kilauea at the end of an limestone. Given this I feel I am in
factual project. San Kilauea is a global issue and not statewide!
One. It's not known above that can cause but the project is
such whatever you would produce it. We teach and educate
our children about truth, goodness, beauty, justice,
of children's place, taking care of one another. Read care. I
choose to do so if I saw not need that each child
like beauty, health and justice will exist in the world's future.
Strategic is going back to our eyes a project that should
be as a defense against. To any other it is preparing for
the old fashioned something. I am doing this by writing
supporting the idea of this place little disturbance on the
island of Kilauea and would have major impacts on the life of the people.

Name: STENIA ERTMELT
Address: P.O. Box 1607 P.P. 2 Kilauea, HI 96754

City/State/Zip Code:

Street Address:

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR268

WR267

U.S. Army, Strategic Defense Command

April 7, 1992

Dear Sirs/Madam:

I am opposed to the Stars Program here on Kauai. I have included a
verse of poetry to express my feelings on this matter.

"Doo Baby, while we suck on those lies
Your blood soaked costume gonna light up the sky."

Sincerely,

Jolille Jafete

P.O.Box 1607
Hanalei, HI 96714

WR269

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

No: Stop this program on Kauai, P.M.R.F.
Yes, but no missiles

1										
Name <u>Dickie Lusk</u>										
Address <u>2999 - Kaape St. Kilauea Kauai 96754</u>										
Street Address _____										
City/State/Zip Code _____										
Phone Number _____										
Email Address _____										
Comments _____										

WR270

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohii Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetuate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Michele Valani Davis
Registered Voter
P.O. Box 138
Kilauea, HI 96754

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR272

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

April 8, 1992

Dear Mr. Gallien,

I support the 'No Action' alternative on your Draft E.I.S. I am strongly opposed to Star Wars testing on

Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocabon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use-as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. Please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Bick Francisco

P.O. Box 930

Hanalei HI 96714

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1

We support P.M.R.F., But I don't really like all those missile launch sites. No Star Wars!

2

Cynde - Dr. Ph. Kihala Kauai 96714

Name Cynde - Dr. Ph. Kihala Kauai 96714
Address 2902 State Street
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR271

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I sincerely implore you,
that you folks reconsider the least likely
accident and its effects and eventually "God
guaranteed" promise of no traumatic effect by some
least expected "mistake", well- actually just what
will be the effect upon the state of Hawaii
environmentally and socially--? Please
write me in reply--so that the anxiety and fear
and confusion many people feel they might soon be com-
tending with, if this S.T.S. program is actually to be
initiated--right... Logically and Truthfully" be laid
to rest. And those fears--at least after two meeting nights
of discussion/debate--are still at large--within myself also.

Name James Friend Jones & Meier
 Address P.O. Box #952 Honolulu, HI 96714

City/State/Zip Code

We shall continue
 this with the best
 information possible
 T.P. Jones
 [Signature]

Street Address

Please hand this form in or mail by April 13, 1992 to:

***URGENT:**

Please forward!
 Michael J. Lee!

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSD-EN-V (D.R. Gallien)
 P.O. Box 1510
 Huntsville, Alabama 35807-3801

4/7/92

To whom it may concern:

I am a resident of Kauai
 since 1982 and am adamantly
 opposed to having Polaris
 rockets/marsks tested on our
 precious island. There are far
 too many negative aspects
 and possibilities that could
 have devastating results.
 No ROCKETS!!!

Albert K. Frank
 P.O. Box 1601
 Hanalei, HI 96714

We believe in every man of our country

→ is destined to receive his just due and live a life
about the world undimmed by insects and disease and
diseased.

There is a Great Spirit in the heart of America, it is
still strong, its ability of our ancestors, ourselves and those to come

in the heart of every American is the spirit of
the Christians who desire to live freely and build a
just society.

In the heart of every American is the spirit of the
cavalier and chivalry on these lands who left the
presence of the creator on the earth and lived accord-
ingly.

The heart of every American is the spirit of an
American who to him with slavery, barred that all persons in
greater than he will to live.

The American's love of nature to support human life
in its effort to live and pass their own self-
descriptions and physical degradation in meadows,
is wonderful, and gives a sense of
wonderful, and gives a sense of wonder.

To support all life. To be accepted by all
that lives.

This is the promise that under wrote all of our choices
about the world we live in.

We know enough that less one collective increase to
build, we're on a plan that deceives and prevents the
possibilities of the destruction of life. And that this plan
continues to be an opportunity for private contractors
to be involved in a mega-business for profit with
public money.

Takes the billions of dollars the good people of this
country have gathered together and we as furnish contractors
of public dollars this nation has for right good to our great
part in a future of the world and this nation.

It is a matter of conscience now. The infinite
resting of divine life - divided. We are a race of
families and friends and co-workers who do our
brother in death of our own lives to become positive
and contribute to the kind of leadership needed and
indeed the world. We must leadership now to not face
all our efforts into life maintaining national minorities
to clean the industry, and to finance & conserve the
very funds that help us alive
for you and I and our children.

These are tremendous opportunities for the millions
to be employed or - employing all of our resources
systems. In building up - starting all of our nation
climated areas, to most live spent here could
provide payroll for all branches of the military and those
of civilians.

The greatest dividend would be restored, our
nation's regeneration and survival.

Cir. fifteen billion dollars spent annually to tax and
handle lumbering, claim timberlands in which we are being
power - creation, pulp mills, paper mills, transportation, etc.,
agriculture, manufacture, mining, distribution and
warehousing is still made as a vastly richer nation. America's
leadership in this re - framing and salvaging the faint
nation of the world with a United States of Europe.
We shall all have work at home. We can all share
in the annihilable feeling of living in the right place
at the right time.

The heart of the single best provider within us all, our
sons, our savings, our land.

Tim Andrews Tim Andrews Tim Andrews

Tim Andrews Box 1136 HANALEI 96744

WR276

April 9/92

To whom this may concern,

I am writing this letter to let you know some of my feelings with regard to the STARS program. I do not support this program, however I do support PRIDE. I feel this is a very dangerous program & should not be happening on Kauai. I do not feel that the people who work for PRIDE should lose their jobs. I am sure there are other positive programs to which these people could be re-directed.

Eleanor Gallen
Eleanor Darnell
Box 118b
Honolulu, Hawaii

960714

WR277

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1
To: Sen. Inouye i Randy Gallen 4-792
As a resident of Kauai I am opposed to the testing "Starwars".
Although it does support PRIDE I most certainly do NOT believe the Starwars program is in the best interest of this Island or any other for that matter - Why waste our tax dollars on "old equipment" - We are dependent on tourist dollars and this would surely be an attractive draw. - I also believe that anyone that wants this program here should be forced to live here with their children - You enclose a check
Name: Eleanor Gallen & Brynne Nishimoto
Address: PO Box 118b, Waikiki, HI 96071
State: Address: City/State/Zip Code:

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR279

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

4/4/92
Dear President Bush,
I am a Physician Assistant
on Kauai and have dedicated
myself to the health and well being
of all who live here. Having
missiles launched from this
small island seems directly
in opposition to this goal.
Please do what you can to
prevent no missiles here. We
are proud to have the Pacific
Missile Range facility here but
do not feel missile are appropriate.
Also - please support a
world park in Antarctica.

Yours truly,
Sally Jo Moore
Box 7273
Honolulu, HI 96714

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

On March 24 I attended the hearings on the Draft EIS.
What a disappointment! I feel that the Draft fell so short
of addressing the numerous concerns that the STARS
project can bring. Please look closely at their supportive
letters of the supporters of this Draft: they are all employees
of the base! We need you to understand that this little
island was not and is not made for missiles. Our island
is financially supported by the tourist industry - Having
missiles launched here, do you really think that people
will still want to come here to spend their vacation? There
is so many other places where they could go!!

I urge you please to consider all our comments before
making any further decision. Leanne Sabourin

Name Leanne Sabourin

Address 6383 Makana Rd. Kapaa - HI 96746

Street Address _____
City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Callum)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR278

Dear Sen. Inouye & Mr. Hillel,

My husband, daughter and my self live on the island of Kauai.

I have been to the hearing on star wars and wish to speak my truth as well. I strongly oppose the star wars program on this island. I feel that we the people who live on this remote island share the right to choose, as a democracy whether we want such a program to exist or not.

I support PINEF and am send this this voice

has torn our community apart so that the members of PINEF must be bound by their positions due to the Stars Program.

I am grateful on the other hand to see the open forum + public interaction with the government that was created in response to this urgent situation.

Mindful often

Michelle O'Hearn
1384 Kukio Hwy
Kapaa HI 96746

WR283

Senate Indigo & April 8 1993
Mr. Gallen.

I, Brandon Whalen, I am
not for star wars project or
this Island, but for PMRF
Because of possible accidents
why can't you test on ship
At sea or on ~~small~~ Deserted
Island. This is a sacred
Island. Please test your
missle At sea away from our
citizens. Danger, and a barce
may be. We seen your missles
explodes down over the sea
I wouldnt want that now my house
care more about human
Safety & Loyal Dr. Kappa Hui, Ken
Brandon Whalen

WR284

To Senator Inouye and Mr. Gallen:
To Whom it will Concern 4-8-92
I strongly oppose the
idea of the STAR WARS
program on Maui!!
It is completely inappropriate
for this island for many
reasons. As a member of
this community, a supporter
of PMRF, and a United
States citizen I urge you
to put a stop to this idea of
STARWARS program here.

Thank you
Leidi Rhodes
32: Kiowai Rd
Kapaa + 974-4100
Leidi Rhodes.

WR285

Written Comment Sheet
Strategic Target System
Draft Environmental Impact Statement

Mr. Henry Cooper
Strategic Defense Initiative

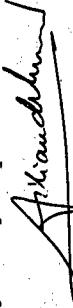
4.2.92

Dear Mr. Cooper,
It is a pity that you were not present at the hearings on the Draft EIS, not only to answer our questions but also to feel what was really happening - a vital experience that you won't be able to have just by reading our words from your desk.

Seeing all these hundreds of comments, you are probably making lists of FOR and AGAINST. But it is not as simple as that. I was there both evenings, and

I saw something very frightening: if you could look closer at the letters supporting STARS, you would find something in common - they were all written by people who have direct or indirect ties to the PMRF. They were all written out of fear : it was not necessarily approval of the STARS program related to this project. On the other side - the whole rest of the island. Not only all the residents who love Kauai for what it is, and want to protect their precious Garden Island, but also all the visitors who keep dreaming of returning here to enjoy the peace and the magnificent manifestation of Nature that Kauai offers them. Each opponent to the project had his/her special reason for their disapproval, but we all have one special point in common, and that is the willingness to save the spirit and the essence of Kauai, too precious to be threatened by this project.

Mr. Cooper, you must be looking at Kauai as a good located site for launching missiles. Please think that it is our beautiful GARDEN ISLAND, a place of peace and magic, of nature expressing itself in all its magnificence, and we, the absolute majority, want to keep it so , without your Strategic Target System. Mahalo.



Lillian de Mello
6383 Makana Road
Kapaa - Hi 96746

WR286

North Country Farms
P.O. Box 723
Kilauea, Kauai, Hi. 96754

April 2, 1992

TC: Senator Inouye

and

Deputy Commander
U.S. Army Strategic Defense
D.R. Gallien

Dear Sirs:

As a Mother and Businesswoman on Kauai's North Shore, I must express my strong feelings on the current "Starb" issue.

I surely support my fellow islanders working so hard at PMRF, but I am unable to do the same for the proposed rocket launches from that site.

I am not convinced, even after reading the EIS, that these launches would have no effect on our environment.

I am unable to do the same for the proposed rocket launches from that site.

I am not convinced that the Hawaiian lands aren't in danger of being further infringed upon.

I am convinced that Kauai is one of the most beautiful and unpolluted places on this planet, and for this reason we have chosen to move here and raise our precious family. We do not want or need your program on Kauai.

Mahalo for hearing us.

Sincerely,

Lee Roversi
Lee Roversi

WR287

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

[1] Yes, we are under attack and need to defend ourselves. But the enemy is not the Russians, not the Middle East, not South Africa, etc., etc. The enemy is within. Our quality of life here in Hawaii is under attack. The cause—the STARS system. We have heard how the propellant further depletes the already existing hole in the ozone. How it is life threatening to wildlife within the lift off and landing areas. How it is trespassing to compromising sacred Hawaiian lands. How it involves transporting volatile liquid fuels, dumping of toxic chemicals into the atmosphere, including known carcinogens and toxics associated with Alzheimers disease. And then we are told that these are small prices to pay in order to keep our missile range alive and well. It seems appropriate and necessary to look at this decision as one of National Security: which means protecting this country and its people from anything threatening our economic well-being, our environment, natural resources, and the quality of life. The STARS program is threatening to us on many levels. It is imperative that it does not proceed. And as part of this decision it becomes necessary to allay the fears of the people employed at the missile range. Diverting funds from this program into healthy programs supportive to the people whose jobs are threatened. Let us bring back peace and aloha to the hearts of this Island and remove the cause of separation. Remove STARS so that we may begin healing the rift it has created.

Name T. Schield Address P.O. Box 674 Kilauea, HI 96754 City/State/Zip Code Honolulu HI 96746

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Gallion)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR288

April 4, 1992
Kapaa, Hawaii

[1]

Dear Honorable Senator Inouye and Mr. Randy Gallion,
Please include me as one of many concerned citizens who objects to the proposed STARS project. I believe that the purposes of the project, including the economic argument in terms of jobs for PRR employees, can never justify the detrimental effects that the project may have on our environment.

I humbly urge you to voice our objections and concerns.

Sincerely Yours,
Bernice Hiraoaka
Bernice Hiraoaka
Saloy G. Shieh
1761 Waimea Ikena St.
Kapaa HI 96746

WR280

Felicia Cowden
P.O. Box 4973
Honolulu, HI 96714

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement 4-7-92

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

MEMORANDUM

TO: Senator Daniel K. Inouye
Commander D. Randy Gallien

SUBJECT: Strategic Target System (STARS) on Kauai

The STARS project at Pacific Missile Range Facility (PMRF) at Mana must be stopped! Please do everything you can to stop the project.

This is a personal statement, but I know that hundreds -- in fact, thousands -- of residents on Kauai oppose the project, but they are not taking the opportunity to express their opposition because they believe that the issue has been decided, and that the hearings, public pronouncements, letter writings, telephonings, etc. are all exercises in futility.

I hope that they are wrong because at issue here is the future of Kauai. The STARS launches will affect the land and the people, Kauai's best resources -- the resources on which the economy of the island depends.

First, the amount of freon that the STARS launches will generate into the atmosphere will deplete the ozone layer, thus endangering plant and animal life, particularly human life. Second, Hawaiian Home Lands, including archaeological sites, will be affected to the point of desecration. Third, the STARS project will have an emotional and a psychological impact on the people of Kauai.

Opposition to the STARS launches and fear of potential hazards and potential mishaps will not go away, and Kauai will have a resentful population, not a people with aloha.

Please do the right thing: Stop the STARS project at PMRF to ensure the preservation of the Garden Island, which 51,600+ people call "home."

Sincerely,

Catherine Lo
Catherine Lo

WR280

MEMORANDUM

Dear Randy Gallien and Captain Turgeon,
I am opposed to the SDI installations for the following reasons:

1. • the benefits do not out weigh the costs to our ego depletion problem. • The EIS does not provide adequate analysis of the impact on our water supply. 26% the half lives of the chemicals; if they react with soil; what will be the effects on health if they are consumed. • The EIS does not state the emissions impact on the water catchment systems of Nihiau. • Under consideration is given to the impact on tourism. • Adverse effect on the indigenous people of Kauai. While I am not opposed to the PMRF, I do not believe this program (SDI) is in our best interest (really).

Additionally to Aloholia
Name _____
Address _____ P.O. Box 4973 Honolulu, HI 96714
City/State/Zip Code
Street Address

Please hand this form in or mail by April 15, 1992 to:

**Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801**

4/3/92

To Senator Inouye
and Mr. Gallen,

Please allow the
island of Kauai to
decide its own fate
on the STMRP5 issue.
No unelected official
should be granted the
power to decide such
a crucial point.
Let the people of Kauai
vote on this issue on
referendum in November.

WR292

April 8, 1992

Dear Senator Daniel Inouye,

I support the "No Action alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S. Brominated fluorocarbon, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohill Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetrate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Pamela J. Holmes
P.O. Box 238
Hanalei HI 96714

WR291

I feel convinced
that democracy will
send a clear message.
No misses
on what

Thanks Jim Haf
P.O. Box 959
Kilauea, HI
96754

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

DO NOT HURT TO KILL
EMPHASIZE
SEND THE BEST AT
WEATHER!

Name MARIE THOMSON
Address P.O. 1751 HAWAII HI 96714

City/State/Zip Code
Street Address

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSD-BN-V (D.R. Callen)
P.O. Box 1500
Huntsville, Alabama 35807-3301

S.

Sheraton Kauai Hotel
The hospitality people of ITT

Dear Sen. Inouye and
Mr. Gallien
What one can assume through the
USA's recent glorious Military history,
That the USA has had all the practice
it needs in the art of war. Simple blowing
up a tiny pacific Island paradise for the
last 30 yrs does not measure up to the losses
~~won~~ during the war games performed to Americas

More everyday on CNN. It's apparent that
Once again our government is propagating
to its constituent to believe in the economic
Pipe Dream. Some how there are people on
our Island that think the future of
their economy ~~is~~ success is depended on
the success of the ~~the~~ S.A.R.S program
Personally I see an end in sight for all
PMRF ~~so~~ operations unless things change to
do something more productive than blowing
up tiny majestic coral communities throughout
the world. Please do not have these missiles
on KAUAI

Amen
Glenn Kathara
Sincerely yours ~~John~~ Rogers

4332 Aronui St
Lihue HI 96766

April 5, 1992

Dear Senator Inouye and Mr. Gallien,

At a time in our nation's history when we are at peace
and with an ailing economy, I would like to see as many
anti-peace programs such as STARS cut from the budget as
possible.

Instead, let's promote programs which heal instead of
destroying our environment for future generations. The
earth is a small place with fragile ecosystems.

Sincerely,

John
Glenn Kathara

WR296
Dear Senator Orange,

April 7, 1992

MSA Rm 20 AH 5:59

Although I have only lived on Kauai for two years, the STTRK WIPPS issue is important to me and I would like to include my opinion. I am against using this beautiful island for a launch site. I would like to see the military resources, which as you know are vast, channeled into areas where much is needed both in finance and manpower. Some of these areas are education, and cleaning up the environment. We must all learn to work together, globally to improve our ways of life. Thank you.

Sincerely,
Alfred J. Petrich

ALFRED J. PETRICH
P.O. Box 79
HAWAII, HAWAII 96703

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

- 1 My concerns are first the environmental impact of the military base. I think it will be detrimental to the health of the people who live there. The impact on the local economy will be very negative. It will also affect the local environment. The accident in April of 1990 took the world by surprise and showed the potential hazards to the environment. The Strategic Target System is a threat to the environment. It can't be stopped once it's built and the effects will last a long time. It will pollute the air and water.
- 2
- 3
- 4

Please hand this form in or mail by April 13, 1992 to:	Deputy Commander U.S. Army Strategic Defense Command Attention: CSSD-EN-V (D.R. Gallien) P.O. Box 1500 Huntsville, Alabama 35807-3801
Address:	P.O. Box 606 Huntsville, Alabama 35807-3801
Street Address:	
City/State/Zip Code:	

Please hand this form in or mail by April 13, 1992 to:

Written Comment Sheet

4/10/92

TO WHOM MAY CONCERN.
I support PHRF
NOT STAR WARS

Nicole A. Bailey

P.O. Box 732.

Klaucha Ln., #6754

(808) - 828-1232

sincere,

1992 APR 20 AM 9 59

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I concur with U.S. Representative Patsy Mink's assessment and feel that many valid points were raised in her testimony. Among them the summary dismissal of many issues as "small risk", "unlikely", "all precautions will be taken", "insignificant", "no impacts anticipated", and "very little hazard". Such comments beg a quantifiable explanation, and does not alleviate my concerns. Little attention has been paid to alternative actions or alternative plans, implying that it is the US Army's way or the "No action alternative". We are left with an all or nothing proposition. The landscape or scenario depicted in the name of national security Mr. should not tamper with the delicate social and spiritual fabric of the community, until we have weighed, very seriously, the potential outcome.

Name Gerald M. Hirata
Address P.O. Box 565
Street Address Honolulu, HI
City/State/Zip Code 96716

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSDEN-V (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

WR300

WR301

1-5-92
 To Wilson et al my concern
 I do record Project Start 5
 Don't support Star Wars

1
 Strategic Climic
 Rosemire C. Hall
 P.O. Box 969
 Alpine, Texas, 79750
 (806) 286-6286

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

The EIS leaves unanswered question in the design of STARS. 4
 1
 biggest environmental (I think) question now is potential of
 disastrous incident & the great financial loss potential of
 future losses. The transport of nuclear waste on
 highway is also of concern.
 But there is an even larger issue than STARS. Playing God
 the fate of the Hawaiian culture. If today Christians fight
 but he mislabeled. I've lived in Hawaii for 6 years & I
 know my feel - that spirit. It's specially like in Hawaii
 Kauai. Since she is relatively unspoiled, compared to Oahu &
 Maui. STARS does not belong here.

Name Marilyn Acte / 1
 Address 92 Box 3810 Street Address Lakeview #2
 City/State/Zip Code Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSDEN-V(D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic-Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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ATTACHED: THE STRATEGIC TARGET SYSTEM DRAFT ENVIRONMENTAL IMPACT STATEMENT

Proceedings on the Strategic Target System were opened to those who find the DTS unbearable. Indeed, I find the entire SDI program abhorrent. I am a scientist and others who are more intimately acquainted with the Government of the program.

The DTS does not, indeed cannot, address the technologies that constitute a threat to our security. You choose to ignore the threat to our family dubious project; you destroy more than our land. A friend of mine said it best as we

have you personally ever experienced this frightening piece of real debris: the U.S.A. project would ultimately contaminate in some way? have you seen the environmental damage of orbiting in the atmosphere?

Indeed, there is a multitude of orbiting debris that has already been created. Can you not relate to their dismay at this desecration? When he said the following: "Every gun that is made, every warship launched, every rocket fired signifies: a threat from those who hunger and thirst for world power who are not troubled. This world is not standing money alone. It is spending the sweat of its

laborers, the brains of its scientists, the courage of its

young people, its culture, its art, its science, its ages."

Please see: "It is time that we reexamine global security... security of

states... concerned only for too long. It is security for people

Name: Martha S. Dotit

Address: 61-22 Ritaia St., Keweenaw, MI 49906

City/State/Zip Code:

Street Address:

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4-10-92

WPSO

TO D.R. GARIEN:
I AM OPPOSED TO ANY NEW
LAUNCHES PLANNED FOR THE ISLANDS
OF KAUAI.
ANY ACCIDENT COULD TURN INTO
A DISASTER. OUR ENVIRONMENT IS
AT STAKE.
WE DON'T NEED THIS HERE.
THANK YOU.

Sincerely,

Francisco Sandomiano

FRANCISCO SANDOMIANO

P.O. BOX 52
HANAMAU, HI
96715

2-238



SAFETY MANAGEMENT SERVICES

DURKIN & ASSOCIATES
PO Box 3626
Lihue, Hawaii 96766

Deputy Commander
U.S. Army Strategic Defense Command
CSD-ENV (D.R. Gallie)
PO Box 1500
Huntsville, AL 35807-3801

RE: SDI Launches on the Island of Kauai

13 April 1992

Dear Sirs:

This is to formally OPPOSE the launching of missiles, rockets, or other weapons that are related to the Strategic Defense Initiative (SDI) proposed for the island of Kauai.

The DEIS filed by your organization is clearly lacking in its assessment(s), specifically those relating to safety. This includes safety of the island population, marine resources, and economic health.

We are in support of the Pacific Missile Range Facility, but not if it will require involvement in the SDI program to survive.

As I prepare to send in my tax dollars, I find it difficult to feel good about where the money will be spent. We can spend billions on defense, much of it wasted, yet we cannot repair our environment or provide a roof over the head of all of our citizens. And if I were to conduct my business in the same manner as that of the Federal government, I would be bankrupt, disgraced before my peers, and quite possibly thrown in jail.

The SDI project does not make sense for our civilization and its deteriorating environment. The SDI project will only be fruitful for a few defense contractors, the Dept. of Defense budget, and some high ranking politicos.

Much like the French have finally given in to protests of its nuclear testing in the Pacific, the U.S. Army will eventually cave in to protests of SDI on Kauai. Our numbers are small, but we are an intelligent populace who will be persistent in its opposition to Star Wars.

Thank you for your consideration on this matter.

Respectfully Submitted,


Patrick L. Durkin
Safety Educator & Consultant

WR306

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I H.S. Project BE 570220D

I am sending this one is to protest going further operations or development of the Star Wars testing base on the island of Kauai. Convening these military efforts destabilizes the nuclear partnership, psychologcially and physically and can't be done. Like the wishes of the people of Kauai this in inevitable but the people below frequent like shore. Please stop.

Name Laura Hernandez

Address 2901 Santry Lane, Santa Clara 95062

City/State/Zip Code

Street Address

City/Sate/Zip Code

Street Address

City/State/Zip Code

Street Address

City/Sate/Zip Code

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

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with the climate of the USSR MAD (Mutual Mutual Disarmament) is no longer needed (it will only as a part of our national defense).

An adequate defense against a few missiles from an adversary would can be achieved via a limited number of satellites-coordinated ground based missile (anti-ballistic missile). We must stop India's and extremely excessive defense expenditures. This money should instead be spent on an endeavor that will truly result in increased security for America and other developed countries of the world: it requires multi-national effort to quickly reverse through a series of appearances, the world's burgeoning proliferation south and to expand programs aimed at helping underdeveloped countries to feel at home their people. Only when the world will not have to hate & hate will we be truly secure.

Name GATE, L Blk 14, 1st floor, 1st sec

Address 210 C. Kukela Rd, Huntsville, AL 35801

City/Sate/Zip Code

Street Address

City/Sate/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command

Attention: CSD-EN-V (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

City/Sate/Zip Code

Street Address

City/Sate/Zip Code

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

We have many pressing national needs of which money currently used for "defense" should be spent paramount among these are education & infrastructure improvements. Defense workers displaced by a re-allocation of federal funds could be removed far aborted in the infrastructure improvement effort.

A local factor that would cause an adverse environmental impact from STARS launch is that by midmorning the prevailing wind's descent and reverse direction blowing southwest in a westerly direction which would blow any exhaust from launched projectiles into Pelihale State Park impacting park users. It launches missiles at night to avoid this problem from the winds, the tranquility for the park's night users would be ruined.

Stop excessive & ludicrous defense expenses that distract money to important present (and ultimately natural society) uses until, along the way, Name allow us to preserve our very special Kauai for all to enjoy!

Street Address _____

City/State/Zip Code _____

Signed _____

Dawn J. Gilchrist

Date _____

Comments _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-ENV (D.R. Callien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

Celebration of 150th Anniversary of Public Education in Hawaii

1990-1991

Ka Huike Ma 'Iliman

'On Wings of Discovery'

April 5, 1992

1

[Redacted]

To: Mr. Randy Galien

From: Mr. W. Jones

2811 Kaseka St.

Lihue, HI 96766

Re: Missile testing on Kauai

I am strongly opposed to the proposed Star Wars project on Kauai as anywhere else in Hawaii because of the potential danger, the ecological damage, the loss of numerous of the project, and the wanton waste of taxpayer money.

The whole mess is stupid!

Department of Education - Kauai District

WR09

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I do not want this system located on Kauai or anywhere else. Let's find an alternative to nuclear energy period. And let's find alternatives to violence too.

Sincerely, Tipical

Name _____
Address _____
City/State/Zip Code _____
Street Address _____
City/State/Zip Code _____
Street Address _____

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR310

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am so upset by the idea of missiles on this beautiful island of Kauai. My husband and I have just given up all our belongings back home in Massachusetts and are moving to Hawaii to live. It is so disturbing to me & my family to have missiles shot at this island. Thank you for hearing my plea.

Name _____
Address _____
City/State/Zip Code _____
Street Address _____
City/State/Zip Code _____
Street Address _____

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WPS12

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Please, don't come and shoot missiles
On Guam, Kauai and the Marshal Islands,
Where the missiles would be hitting, are
Very special places to many people.
Please think about what I'm saying.

This land doesn't belong
To any one because it
From our children.

I want to
Kauai is unique,
Let's keep it that way
grow up not blow up!
Pelican Islands (11 years old)

Name John

Address 1111 11th Street, Bldg. 117

City/State/Zip Code Huntsville, Alabama 35807

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
 U.S. Army Strategic Defense Command
 Attention: CSSD-ENV (D.R. Gallien)
 P.O. Box 1500
 Huntsville, Alabama 35807-3801

My name is A.Z. I work with Celia, an international researcher
 civilian research group. I am presently on leave working in affiliation w/ the
 Impact while research gap time. Some of the data from this project was
 presented earlier tonight. I'd like to take this opportunity to point out
 some inadequacies & omissions of pertinent data in the EIS statement
 regarding endangered marine mammal species.

An important issue that has not been addressed is the lack of any mention
 of potential effects on humpback whale, neither calf pairs. Recent research
 has demonstrated that mother/calf pairs are especially susceptible to
 human-related disturbance. Since m/c pairs prefer very near-shore, shallow
 water, usually less than 10 fathoms, it would seem very likely that disturbance
 related to ships could negatively impact this vulnerable group. Our research
 shows no sightings of m/c pairs well offshore, our data shows
 that over 1/2 of m/c sightings have been in the PHRF area.
 Examples of impact include effects from boat activity related to
 clearing the nearby safety zone + transport of fuel + related chemicals
 via boat + for landing craft.
 Aiding from 1st hand experiences, I have concern regard the lack of awareness
 on the part of the military w/ regard to federal laws + regulations
 involving marine mammals.

From (1991 + 1992,
 our study site extends from Makana Pt to Italiano Pt.
 our data gives 644 sightings of whales over this area. 388. or greater than
 1% have been in the PHRF area even though we spent less than 1%
 of our time surveying in the PHRF area. In other words, there is a
 greater concentration of whales in the stated impact zone. Essentially, if
 the Army maintains its proposed mitigation to develop launch

WPS11

when whale are sighted, and I quote from Section 4443 of the EIS
 "Prior to launch, the US Navy will survey the 1st stage impact areas
 and the launch safety zone. Any whale or sensitive species observed in this
 area will cause the launch to be delayed."
 This means that there would be no launches possible in the months

of Dec - April

I have concern ~~about~~ in what manner the airway extends to follow through until

Plane to survey the area for whales

I have concern about the impacts to other marine mammals which are
 known very heavily in the area around KTF/PIRF. Bottlenose dolphins, spinner
 dolphins + spotted dolphins; all federally protected under the mar protection act, are
 frequently sighted in the area. We can injury them or those sightings. These species
 were not even ~~ever~~ mentioned in the ETS statement

Considering the missing species + misrepresentations in the draft, the omissions,
 and the preponderance of unsupported biological conclusions, staffing
 "no significant impact or no adverse effects" on sensitive species in
 this area, I stand against stars + for the no action alternative.

John M Becker
 207 288-3050 (phone #)

CRITIQUE

OF

DRAFT ENVIRONMENTAL IMPACT STATEMENT FOR THE STRATEGIC TARGET SYSTEM (February 1992)

Presented

by

The Nohili Coalition
 (April 1992)

Aboriginal Native Hawaiian Association
 Hui Ho'omaluhia Ka 'Alana
 Ili Noho Kai O Anahola
 Ka Lahui Hawaii - Kauai
 E Makala Kakou
 Protect Kaho'olawe 'Ohana
 Pele Defense Fund
 Ka 'Ohana O Kalae
 and
 Independent Kauai and Ni'ihau Hawaiians

Summary

As drafted, the Environmental Impact Statement for the Strategic Target System (STARS) prepared by the U.S. Army Strategic Defense Command does not conform to the National Environmental Protection Act. There are numerous deficiencies, particularly with regard to the impact upon Native Hawaiian subsistence, cultural, and religious customs, beliefs, and practices and ancestral land base, as identified below. It is our contention that a new draft must be prepared for public review and comment as this statement is grossly inadequate. We also contend that the reports which form the basis for the conclusions reached in the document should be made available for public scrutiny. In particular, our group would like to receive copies of the cultural resources report written by Flores and Kaohi.

(1) Native Hawaiian Rights

A special briefing was provided to the drafters of the EIS on the potential impact of STARS upon Native Hawaiian cultural, subsistence, and religious customs, beliefs, and practices and upon sovereign Hawaiian claims to the ceded public lands and Hawaiian Home lands in Kekaha. None of the concerns identified and described in that briefing are addressed in the draft EIS, except to be listed in the summary of scoping issues. We remind you that NEPA policy states that is a responsibility of the Federal Government to "preserve important historic, cultural, and natural aspects of our national heritage, and maintain, wherever possible, an environment which supports diversity and variety of individual choice." (42:4331 (b) (4). The draft EIS is severely deficient in assessing the impact of the proposed project upon Native Hawaiian cultural customs, beliefs, and practices in the ahupua'a of Waimea, Kauai.

In order to protect the indigenous Hawaiian culture for future generations, the Hawai'i State Constitution and the Hawai'i Revised Statutes reaffirm the state's responsibility to protect Hawaiian rights. Infringements upon these rights are illegal. The following are applicable sections of the law.

Article XII of the Hawai'i State Constitution deals with Hawaiian Affairs. Section 7 states, "The State reaffirms and shall protect all rights, customarily and traditionally exercised for subsistence, cultural and religious purposes and possessed by ahupua'a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778, subject to the right of the State to regulate such rights."

The Hawai'i Revised Statutes, Chapter 7-1 defines rights of the people which were established in 1850 when Kuleana Act granted private property parcels to the common people. It reads as follows:

Summary

Where the landlords have obtained, or may hereafter obtain, allodial titles to their lands, the people on each of their lands shall not be deprived of the right to take firewood, house-timber, aho cord, thatch, or li leaf, from the land on which they live, for their own private use, but they shall not have a right to take such articles to sell for profit. The people shall also have a right to drinking water, and running water, and the right of way. The springs of water, running water, and roads shall be free to all, on all lands granted in fee simple; provided that this shall not be applicable to wells and watercourses, which individuals have made for their own use.

Chapter 174C - 101 of the Hawai'i Revised Statutes deals with conservation and resources. Part (c) reads as follows:

(c) Traditional and customary rights of ahupua'a tenants who are descendants of native Hawaiians who inhabited the Hawaiian Islands prior to 1778 shall not be abridged or denied by this chapter. Such traditional and customary rights shall include, but not be limited to, the cultivation or propagation of taro on one's own kuleana and the gathering of hihawai, opae, oopu, limu, thatch, ti leaf, aho cord, and medicinal plants for subsistence, cultural and religious purposes.

(2) Water Resources

The EIS, as drafted, fails to indicate how much water will be consumed for the operation of STARS, if larger water lines will be required, where the water will come from; who owns the rights to that water; and to assess the impact upon Hawaiian appurtenant rights. The source of the water would be the Koke'e, Kekaha and Waimea ditch systems which are located on Hawaiian Home Lands and ceded public lands. Increased use of the water would negatively impact on Native Hawaiian utilization of the water for settlement on Hawaiian Home Lands and upon utilization of the ceded public lands. The Hawai'i Water Plan states that the Kekaha aquifer is sensitive to overpumping and that it is currently overpumped. The State Commission on Water Resource Management recently contracted a study of water shortages in the Kekaha area. However, the study is limited in scope, and no action is being contemplated to relieve the stress influenced on the aquifer by overpumping. Increased use of water by PMRF for STARS would exacerbate the overpumping of the aquifer.

The report is also deficient in assessing the impact of drainage of water utilized in the project on the dunes and upon the offshore ocean.

(3) Native Plant Species

A. The impact statement fails to note the presence of species of the following native plants: a'ali'i, alewa, 'akiaki, 'akoko, 'akuklikuli, hi'aloa, hinahina kahakai, humu kai, 'ilmia, kaua'oa, mau'u 'aki'aki, naupaka, pohuehue, and pa'u o hi'akai. It only mentions the presence of puapua moa (adder's tongue) and ohai. While these plants are not on the

WR313 (cont.)

Hawaii state endangered list because varieties of these plants occur elsewhere, the varieties on Kauai are unique and diminishing. In addition, most of the plants that are not mentioned in the impact statement have medicinal qualities which have not been identified. The extent to which these plants are gathered for medicinal uses by Native Hawaiians of the district was not surveyed. The impact of developing STARS in their ecosystem is not assessed. The impact of limited access for the gathering of these plants was not assessed.

In 1991, the Hawaii's State Department of Land and Natural Resources, the U.S. Fish and Wildlife Service, and The Nature Conservancy of Hawaii issued a report on the status of Hawaii's natural heritage called "Hawaii's Extinction Crisis: A Call to Action." It reported that as of September 1, 1991, 18% of the U.S. Endangered Species list are Hawaiian species. The last remnants of Hawaiian coastal plant communities are on the most remote and arid shores and 90% of the lowland plains once forested by sandalwood and other unique dry forests, have been destroyed. Mana, particularly the Nohili Dune, on Kauai is one of the remote areas for Hawaiian coastal plant communities. In light of these conditions, protection of the habitat for the coastal native plants at Mana is a major concern.

B. The assessment of native plants did not include a listing of any seaweeds; a survey of the extent to which they are gathered in the project area for subsistence, cultural, religious, or medicinal uses; nor the impact of STARS on the growth of these seaweeds and availability for gathering by Native Hawaiians for traditional and customary uses.

C. The report acknowledges that the County of Kauai has designated the dune area on PMRF as ecologically important, with a well-developed native strand community. It also acknowledges that the State of Hawaii has designated the sand dunes as a sensitive habitat. Nevertheless the report asserts that the dunes will not be impacted. However, it does not cite any authoritative source or studies to confirm that assertion.

(4) Native Fauna

The report just discusses the impact of STARS on selected endangered birds, humpback whales, the Hawaiian Monk Seal, the green sea turtle, and the Hawaiian hoary bat. It does not provide any information or inventory of types of fish and marine life gathered and caught on the reefs and in the offshore waters. The extent to which the community relies upon the fish and other marine life for subsistence, cultural and religious purposes, and the impact that STARS will have on fishing is not addressed.

The primary fishing season (April through September) coincides with the nesting season for the endangered green sea turtle (May through August), protected under the Endangered Species Act. The season also roughly coincides with the breeding season for the Newell's Shearwater (April to November).

In the Caribbean, the U.S. Navy does not bomb Culebra during the nesting season of the locally endangered species of turtle. Perhaps no launches should be scheduled from April through September/November to avoid negative impacts on subsistence fishing and gathering and upon the life cycles of the green sea turtle and Newell's Shearwater.

The draft report acknowledges that the drainage canals on PMRF are potentially important waterbird habitats, that the Mana base pond adjacent to PMRF is also a wildlife/bird sanctuary, and that the Kawaihae Wildlife Sanctuary is located about 4 miles south of the launch facility. It asserts that these areas would not be affected by construction or launch activities. However, no authoritative source or study is cited to support this assertion.

(5) Native Hawaiian Subsistence Fishing

The executive orders which designated the lands for use by the military guaranteed that access to the shore for the purpose of fishing would be guaranteed, except on portions used for bombing and that only while the activities are actually in progress or about to commence. In Kekaha/Waimaea, 90 percent of the local Hawaiian community fish off of PMRF from April to September. The ocean is too rough to fish from October through March. This natural cycle affords an seasonal abundance of fish in pristine waters. It is likely that the prime time for fishing from April to September will coincide with the prime time for missile launches. If the majority of the 56 days of closure fall within April to September the impact will be substantial and very significant. Access to the shore would be prohibited during the ideal time for fishing, effectively denying access for fishing.

If subsistence fishing is disrupted, the lifestyle of 90 percent of the local Hawaiians who fish off of PMRF will be negatively impacted. This will precipitate a chain of negative impacts experienced for the families and community of Kekaha/Waimaea. The 'ohana system of exchange and sharing of foods caught and gathered would be disrupted. The diet of the families will worsen. The standard of living will be negatively impacted by the increased cost of purchasing food, due to the lack of fish, seaweed, and other marine foods which are part of the regular diet from April through September. The inability to fish and gather marine foods regularly, relied upon may impair the ability of the 'ohana (extended family) to celebrate life cycle events - baby luau, weddings or birthdays.

(6) Impacts Upon Cultural Sites and Use Areas

The draft EIS is not in compliance with the National Historic Preservation Act, particularly since no determination on the sites in the project area was made. Under the National Historic Preservation Act the U.S. Navy is required to nominate eligible sites to the National Register of Historic Places. In addition, the U.S. Navy should be required to develop a cultural resource management plan to assure that Native Hawaiian use if the historic and cultural sites are assured and that uses in the area would not negatively impact the historic and cultural sites and use areas.

The study refers to a report written by Flores and Kaohi but it was not appended to the copy that was made available to the public. Without the report, we cannot determine if the study was complete. The EIS only addressed the impact upon sites in the area where the launch pads and support facilities are to be constructed. The EIS should address the impact upon sites in the Blast Zone as well. No map of the sites in the entire project area, including the Blast Zone was provided. The public is unable to determine if the report is accurate with regard to the location of all known sites and to the nature and extent of potential impacts upon those sites.

Each of the historic and cultural sites that are identified in the EIS and the reports which were used as the basis of the EIS should be nominated to the National Register of Historic Places.

In addition to the impact upon particular sites, the National Historic Preservation Act requires that the report must assess the impact upon cultural use areas such as the place known as leina-a-ka-uhane, areas utilized for fishing, and gathering, as areas known for experiencing ho ailonia (signs in natural phenomena) such as the mirage phenomena of Limaloa that Mana is famous for. The sacred nature of the area known as leina-a-ka-uhane is acknowledged in the EIS.

Trails in the site must be identified and protected. Hawai'i state laws required that traditional trails be maintained and access along those trails be provided.

The EIS states that, "PMRF is located within an archaeologically and ethnographically sensitive area of Kaua'i." The EIS also acknowledges the fact that the dunes in the area are known to have pre-contact Hawaiian burials and is classified by the county as a special treatment district.

Kama'aina witnesses can verify that the area is also important for subsistence fishing and that there are fishing 'ko'a on the land related to fishing grounds in the ocean. In light of this, we believe that the area encompassing the dunes, including the shoreline and offshore ocean utilized for subsistence should be nominated and protected as a historic district on the National Register of Historic Sites.

Native Hawaiians should also be afforded access to the historic and cultural sites and use areas under terms of the American Indian Religious Freedom Act. This is not addressed at all by the draft EIS.

(7) Burial Treatment Plan Is Required

The Hawaii Revised Statutes, Chapter 6E defines how prehistoric burial sites must be treated. Under the law, before a proposed project which may affect unmarked prehistoric or historic Hawaiian burials commences, the Department of Land and Natural Resources (DLNR) must be notified, allowed to review, comment and concur. This includes development of a burial treatment plan that must be approved by the appropriate island burial council. After referral, the council shall have 30 days to make a determination whether to approve the burial treatment plan. The draft report acknowledges that the State of Hawai'i Coastal Management Program

has designated the dunes and adjacent sandy beach areas in the northern portion of PMRF as moderately sensitive due to the potential for the presence of human burials and paleontological remains. As mentioned above, the County of Kaua'i has designated the area a special treatment district because of the presence of human burials. Archaeologists and naval planning staff have indicated that there could be considerable potential for the inadvertent disturbance of burials and archaeological materials by project activities. The report also states that Hawaiian oral tradition and traditional burial patterns indicate that the dunes and adjoining sandy areas can be considered to be an area of high sensitivity with the potential for containing human remains.

The proposed mitigation plan for cultural resources, including burials is to proceed with work unless and until cultural artifacts are discovered. At that point the remains would be treated as inadvertent discoveries and a full or sample data recovery/research and documentation program (controlled excavation) would be implemented. This is unacceptable and illegal. Given the admission by the draft EIS that burials are known to be present throughout the PMRF site, the STARS developers are required, under law, to develop a burial treatment plan which must receive approval of the DLNR and the Kaua'i Burial Council, prior to commencement of any construction. The burials cannot be treated as if they were inadvertent discovery given the fact as stated by the draft EIS that, "current available information indicates that burials within the PMRF can occur virtually anywhere within the installation."

(8) Land Use

The area bordering the project site and impacted by the blast zone is part of the ceded public lands trust. Currently the land is under lease to Kekaha Sugar Plantation, a subsidiary of AmFac. The lease on the land expires in December 1993.

Adjacent lands also include lands of the Department of Hawaiian Home Lands. Those lands are also used by the Kekaha Sugar Company under terms of a lease that will expire in December 1993. Currently, there are 21,000 Native Hawaiian beneficiaries who have applied to settle upon Hawaiian Home Lands. At least 2,000 applicants desire to settle upon the Department's lands on Kaua'i. Native Hawaiians from the West side of Kaua'i have already indicated their desire to settle upon the Hawaiian Home Lands in Waimea.

There is a concern that development of STARS will render the ceded lands useless for future habitation, development or diversified agricultural or other uses. Hawaiians are concerned that STARS would prevent ultimate settlement upon Hawaiian Home Lands.

A proposed swap of Kekaha Sugar lands for upland Hawaiian Home Lands would result in approximately 16,000 acres adjacent to PMRF becoming available. These lands would be used for housing and economic development but could be rendered useless by the emissions toxicity, noise and potential of catastrophic launches. Toxic fuel spillage, leakage or

WR313 (cont.)

catastrophic launching could render lands useless or permanently contaminated, so that future use by Hawaiians would not be possible.

An assessment of the economic impact of restricted uses of the adjacent ceded and Hawaiian Home Lands must be included as part of the EIS. This must also address the issue of compensation for lands included within the Blast Zone and around its perimeter.

In addition, the entire ahupua'a of Waimea - from Kokee down to the ocean - is Crown Land. Most of Hawaii's ahupua'a (land divisions running from the uplands to the sea) already are developed, fragmented and heavily used. But the ahupua'a at Mana is special for two reasons: it's one of the biggest in the state and other than PMRF, it has remained in agriculture or conservation use. When Hawaiians regain sovereignty and control of their lands, the ahupua'a, which are traditional land divisions, will become valuable cultural components of the Hawaiian nation. Since most of the ahupua'a are already developed with resorts, government buildings and other uses that will be hard to move, the undeveloped ahupua'a become even more precious for restoration of the Hawaiian culture. As the Hawaiian people move toward achieving formal recognition of sovereignty, the ahupua'a of Waimea, the largest single ahupua'a comprised entirely of Crown lands, would be ideal for inclusion in a sovereign land base. In the interim, Hawaiians are moving toward calling for a moratorium on the exchange and development of ceded lands which would negatively impact upon the ceded public lands and the Department of Hawaiian Home Lands.

(9) Failure To Assess Impact On Niihau, Kaula, and Lehua

The draft EIS does not assess potential impact of overflight on Niihau, Kaula, or Lehua. Niihau's 200 residents utilize rainwater catchment systems for drinking water. In addition, the only fresh water ponding on the island is used for cattle and sheep. Exhaust emissions and catastrophic launches would jeopardize the health and livelihood of Niihau Hawaiians. The residents of Niihau, whose first language is Hawaiian need to be informed about the STARS program and consulted regarding potential impacts. Testimony presented at the public hearing indicates that residents on the island were inappropriately pressured to sign letters of support for STARS without being informed of the impacts.

(10) Failure To Conduct Social Impact Assessment

The EIS provides no information on new jobs, types of jobs, required skill and educational level for the jobs or how many local people versus new employees from off-island would be hired. There is no indication of how many off-island employees with their families would move into the community if STARS is constructed and operated. Moreover, the draft EIS provides no confirmation of the fact that the PMRF base will, in fact, remain open under a "No Action" scenario if STARS is not approved. PMRF will continue to fill a training need for the U.S. Navy, especially in light of the

WR313 (cont.)

recent closures of Subic and Clark Bases in the Philippines, as well as Kaho'olawe island in Hawaii!

No survey was conducted of the community to assess community concerns regarding the STARS. The community anticipates an increase in social tensions and a change in the rural character of the Waimea-Kekaha area if personnel from outside of Hawaii move into the community for the STARS. They also anticipate a negative impact on the availability of housing and a related increase in the price of houses. The influx of additional families into the community will also place additional burden on the school system, social services, fire and police protection, civil defense and medical services. These kinds of social impacts should be assessed in the EIS.

(11) Natural Disaster Area

PMRF is located in an area prone to tsunami, hurricanes, and tropical storms. It notes that a gazebo structure located in the vicinity of the project area was destroyed by a tsunami. These issues are not adequately addressed in the draft EIS.

(12) Failure To Assess Impact Under Different Scenarios

The draft EIS does not consider the social impact of operating STARS under different scenarios: (1) If use of the adjoining ceded lands changes after the expiration of the Kekaha Sugar lease; (2) If the Hawaiian Home Lands are settled; (3) If the adjacent ceded lands and Hawaiian Home Lands come under jurisdiction of a sovereign Hawaiian nation.

18**(13) Procedure to Designate a Blast Zone**

The procedure and under what authority, rules and regulations a blast zone would be designated is not described. The report does not indicate what kinds of restrictions would apply within the blast zone. The report does not discuss forms of compensation that would be provided for reducing the value to the ceded public lands trust and the Office of Hawaiian Affairs which receives 20 percent of the revenues generated from ceded lands.

The proposed STARS program is a multimillion dollar venture. If allowed to continue, Hawaiians must be compensated and a new lease agreement drafted. If a proposed Homelands swap is terminated because of the intrusion of the blast zone into lands targeted for the exchange, then revenues from STARS should be utilized for developing infrastructure on Hawaiian Home Lands in the uplands of Waimea.

19**(14) Rainforests**

Acid rain and catastrophic launches could threaten lowland to upland Koke'e rainforest due to upper atmosphere prevailing winds that blow inland, unlike the low level winds, which are seaward. Seasonal wind conditions are unpredictable, increasing the threat to inland habitats, rainforests and subsistence hunting.

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WRI313 (cont.)

- (15) Hawaiian Language
Information from the EIS should also be translated in Hawaiian for native speakers of Hawaiian who live in Waimea-Kekaha and on Ni'ihau. The highest concentration of native speakers of Hawaiian live in the area to be impacted by STARS. They should be given the benefit of being fully informed on the impact of the program to their lifestyle and livelihoods.

WRI314

5011 Malu Road

Kapaa, HI 96746

Deputy Commander
U.S. Army Strategic Defense Command
CSSD-EN-V (D. R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-3801

25

Subj: PUBLIC COMMENT ON THE DRAFT ENVIRONMENTAL IMPACT STATEMENT

My name is Eugene Henriques and I am a lifelong resident of Kauai. I have worked at the Pacific Missile Range Facility (PMRF) for the past 12 years, and am currently employed as the Operations Control Supervisor for CPK, the prime Operations and Maintenance (O&M) Contractor at PMRF. With the execution of my daily duties, I have thorough knowledge of the process which all prospective programs at PMRF must endure in order to become operational. I wish to state that no single program has involved the indepth research and overall program scoping as the STARS Program. I felt all along that the Environmental Assessment (EA) adequately met my concerns both as a citizen and as an employee at PMRF. I also recognized the political realities which existed, and understood that when all levels of politicians from our local county council up through our senators in congress insisted upon a complete EIS, that you had no choice but to carry it out. I am more than satisfied with the findings of the draft EIS.

Keep in mind as an example the recent public hearing at the Kauai War Memorial Convention Hall, the first night by most estimates a crowd of no more than 900 people showed up to listen and testify. The center holds over 1100 people quite comfortably, of the 900 or so there, it was readily apparent that more than 50 percent of these people wore yellow shirts symbolizing support for the STARS program, in addition to these people, there were numerous people not in yellow who also were there in support of STARS and PMRF. Yet, when you count up your speaking engagements both Pro and Con, you will see a number clearly in favor of the opponents of STARS and SDI. This was clearly an organized effort of the professional protesters, most of whom are recent arrivals to this island and who make a lot of noise in proportion to their numbers, and who enjoy the solid sympathy and support of our islands' two newspapers and one local cable access TV station. Those who are opposed to STARS all showed up, yet they were still outnumbered by those who support this program and the findings of the DEIS. Keep in mind that over 49,000 residents did not show up to listen or testify. That tells me that approximately one percent of the people of this island actively oppose this program. The other thing which is so shocking to me is the amount of loose propaganda which STARS opponents are allowed to toss around unchallenged. In particular showing a catastrophic launch failure of a Titan Rocket and comparing the result as equivalent to a similar event involving the Polaris booster.

WR314 (cont.)

PACIFIC

MAGAZINE

JANUARY/FEBRUARY 1990 \$2.00

SPECIAL REPORT

The Reconstruction of Ebeye ... Page 30

Another example is the sudden discovery of those poor unfortunate souls on Ebeye by STARS opponents. I am a student of the Pacific; my wife is Micronesian, so I have a very deep understanding and personal concern for the welfare of the Pacific people. I could not believe the utter trash being put out by STARS opponents about this program causing or perpetuating the social situation on Ebeye. Enclosed please find a copy of the Jan/Feb 1990 issue of Pacific Magazine as supporting documentation. I am a regular reader of various pacific publications, and I can attest that this particular magazine is not noted for its pro-American articles. This particular issue is totally dedicated to the Ebeye movements which were only possible by the money the Marshall Islands and Kwajalein Development Authority received from the current agreements with the U.S. Government. You will see that the Ebeye concerns are being addressed in a very humanitarian way. Considering the economic alternatives for that area, I feel the Marshall Islands Government has gotten a pretty good deal.

In closing, I would like to commend the Army for its professionalism and level temperament displayed through this whole process to date. I would also like to thank the DOD officials who had the foresight to pair the DOD's best product manager and the best test and evaluation facility in the nation, PMRF, together for this critical series of experiments.

Thank you for this opportunity,


Eugene Henriquez

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Landfill has added more than nine acres to Ebeye's land area.

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Interview

Carlton Hawpe

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Cover



Ebeye Atoll in the Republic of the Marshall Islands has a bright future ahead of it.

PACIFIC MAGAZINE—3

Special Report: The Reconstruction of Ebeye



An Aerial View of Ebeye Atoll in the Marshall Islands.

Ebeye: From Pacific Slum to Isle Showcase

by Giff Johnson

Ebeye: First-time visitors to Ebeye are usually taken aback by the overcropping, dilapidated houses, and the army of children running wild on the island. But long-time residents just shake their heads and smile, because they know what Ebeye used to be like.

Ebeye has come a long way, with

when it rained, broken sewers, dusty roads and thousands of people jam-packed onto 67 acres of land. Kwajalein seemingly had it all: tennis courts, a golf course, air-conditioned homes, manicured lawns and a more than adequate hospital.

But it wasn't always that way on this most untypical of tropical Pacific islands. Ebeye became a disaster area for two reasons: the United States moved people off their home islands in Kwajalein Atoll and onto Ebeye in the early 1960s so missiles could be fired into Kwajalein's vast lagoon; and hundreds of outer islanders migrated to Ebeye, lured by the high-paying jobs at the missile range. Within a span of 10 years—from the mid-1950s to the mid-1960s—Ebeye burgeoned from a manageable community of several hundred Marshall Islanders to several thousand living in the most rudimentary

people—predominantly

children—on a lump of coral reef one-tenth of a square mile in size."

With no local authority to take charge of development, the island was caught between the intransigence of a distant U.S. Trust Territory bureaucracy in Saipan, and a hostile military command three miles away at Kwajalein. For years, the Army contended that Ebeye was the civilian Trust Territory Government's responsibility, while the Trust Territory's attitude was that since Ebeye was in the Army's backyard, the Army should deal with Ebeye's problems.

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homes, without decent health care or sanitation facilities.

By the mid-1960s, Ebeye deserved its labels as a "biological time-bomb" that could go off at any time, and the "slum of the Pacific." Indeed, United Nations Visiting Missions and Congressional representatives repeatedly criticized the deteriorating social and health conditions on the island. The slum-look was stampy, accentuated by Kwajalein Island's country club atmosphere, where 3,000 Americans lived and worked for the Army. While Ebeye had nothing—no medical supplies, a hospital that flooded

Special Report: The Reconstruction of Ebeye

Isle Showcase...

(Continued from page 32)

In KADA and the local government had been key protest leaders. The scars of the Kwajalein protests—during which the Marshall Islands Government was obliged to side with the U.S. because of lease agreements—took many years to heal.

But as Kwajalein leaders' interests turned from protests to development, progress and coexistence with the Army, the attitude of the national government changed to one of increasing support for local initiatives.

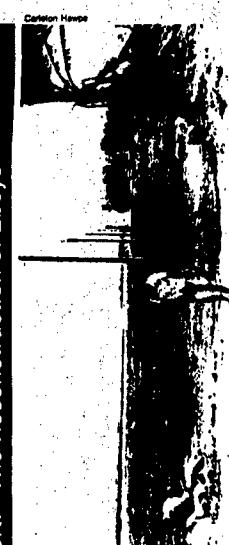
After an initial period of a total Army cut-off of services in response to the 1982 protests, the Army launched a self-styled "good neighbor" policy towards Ebeye, which has resulted in cooperation with the local government and the development authority on a variety of projects. "When the Army cut off free access to Kwajalein, Ebeye people were upset," said Bill Bezzant, a long-time Ebeye resident and the controller at Triple J Wholesale. "But it forced people to build their own facilities. The people

were sort of on their own, and now they have their own identity. ... 8,000 people have lived here when nobody in their right mind would set foot here. They toughed it out and now things are getting better."

Though it will take many years before Ebeye is considered a "nice" place to

live, the island is now on a positive course. The local government and the development authority get the real credit for the changes that are rapidly transforming Ebeye and nearby islands. They are gaining increasing support from the government's liaison officer to the government's liaison officer to the Kwajalein Army Base, Alvin Jacklick.

(Continued on page 39)



Special Report: The Reconstruction of Ebeye

Isle Showcase...

(Continued from page 34)

national government, the Army and U.S. agencies. But it is their doggedness that is reaping benefits for the community. Everyone said Ebeye had to improve; yet without the local control and leadership that the two agencies have given, it is doubtful that Ebeye would have seen the dramatic development changes of the past six years. ■

KADA: A Team That's Reshaped Kwajalein Atoll

By Giff Johnson

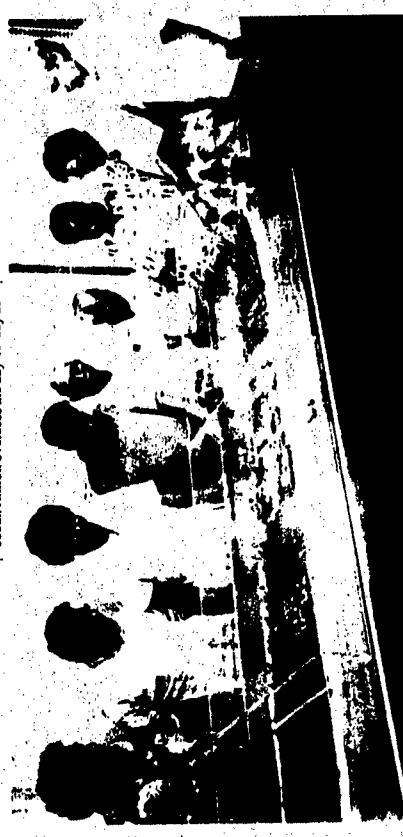
The Kwajalein Atoll Development Authority (KADA), working closely with the local government, has forged a successful team of planners, architects, engineers and construction companies to reshape the atoll. The development authority is run by Marshall Islanders who have brought in outside experts to nurture their ideas and plans to fruition.

A new causeway will soon connect Ebeye and Gaggege Islands.

Senator Imata Kabua, the most powerful iroij (chief) on Ebeye and a close relative and political ally of President Anna Kabua, is chairman of the KADA board. He is joined by one andorovia (andorovia) and Marshall Islands Government representatives. KADA's executive committee of chairman Justin de Bruin, the government's liaison officer to the Kwajalein Army Base, Alvin Jacklick, Ebeye's mayor, and Fountain Cook, a prominent local businessman, a proved effective in spearheading the day-to-day activities of KADA as its executive director.

KADA has attracted substantial financial support from the U.S. Congress and numerous federal agencies, and backing from the Marshall Islands Government. Its network now extends to Washington, D.C.; Frank Solomon, a former Interior Department official, assists KADA by lobbying on "The Hill." A presence in Washington has proved crucial to gain-

(Continued on page 40)



Members of the Kwajalein Atoll Development Authority include, from left: Justin de Bruin, chairman of the executive committee; Fountain Cook, treasurer; Alvin Jacklick, secretary; Sam Hermosa Kitib, board member; Alford Maile, board member; Randal Dabu, Sen. Imata Kabua, KADA Chairman; Julian Hilldon, executive director, and Carlton Hawpe, architect and planning consultant.



New and much improved homes are being built on Ebeye. Above is Anjojo Kabua's home under construction.

line, the island is now on a positive course. The local government and the development authority get the real credit for the changes that are rapidly transforming Ebeye and nearby islands. They are gaining increasing support from the government's liaison officer to the government's liaison officer to the Kwajalein Army Base, Alvin Jacklick.

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Special Report: 'The Reconstruction of Ebeye'

(Continued from page 39)

KADA Team... In the ear of federal agencies and the Congress, say KADA officials. Other outside staff include attorney Scott Siege, based in Majuro, who handles most of the Authority's legal matters.

Hawaii-based architect Carlton Hawpe not only develops and oversees the blueprints for nearly all KADA construction projects; he also provides a link with federal agencies and the numerous engineering and consulting firms that KADA deals with.

On-island, American Max Howard, an electrical engineer by trade, supervises all construction on the atoll to insure it meets building specifications. Working with him are building inspectors Augustus Nakamura and Shito Lasao.

KADA officials credit International Bridge Construction Co. (IBC)—the only construction company based on Ebeye—with timely and quality work. Though other companies, such as AIC Micromania and United Atoll Builders are active on Ebeye, IBC has maintained a presence even during slack construction periods, providing needed assistance with small projects and maintenance programs, said KADA officials.

"Now, the power is outstanding 98 percent of the time, we make 160,000 gallons of fresh water a day, the sewers work, water is safe to drink, and the streets and sidewalks are paved," Siege said. Spearheading the Ebeye facelift is the Kwajalein Atoll Development Authority (KADA), which after five years of intensive construction activity, has put basic infrastructure in place. "Our fingers are out of the dice," said KADA architect Carlton Hawpe of the infrastructure improvements, which have visibly changed the island.

The next and most difficult, step is a major push on economic development,

education, improvements and redistribution of Ebeye's overcrowded population of 8,300 to other islands.

The test to the next phase is a \$15-million causeway linking Ebeye with six

islands to the north, including Cugeege Island—already the location of the Marshall's first planned urban community. Yet, while the causeway has been seen as the linchpin in the plan since

power was off 40 percent of the time.

KADA Leads Kwajalein Atoll Revitalization

by Giff Johnson

"Five years ago, Ebeye was not a viable community," said Max Howard, the Kwajalein Atoll Development Authority's construction supervisor and a resident of Kwajalein Atoll since the late 1970s. "The sewers don't work, the

Special Report: 'The Reconstruction of Ebeye'

the redevelopment scheme was conceived six years ago, lack of funding has stalled its start. In late 1989 the Marshall Islands Government elevated the project to a priority request for Japanese aid assistance. KADA officials said that if Japan takes on the project, it could be completed in two years.

But an unstarted causeway has not measurably slowed the redevelopment plan in other areas. A turning point for Ebeye occurred when Tropical Storm Roy swept the low-lying island with 60-mile-an-hour winds and 20-foot waves in January 1988. The day after the storm, 1,300 were homeless and the houses on the ocean side were little more than piles of rubble. The immediate tragedy of the storm turned into a golden opportunity that KADA did not waste.

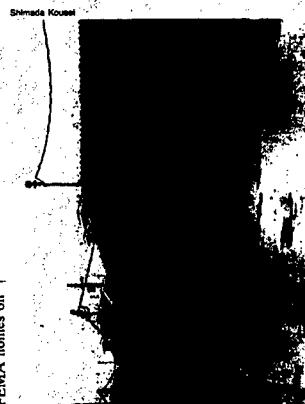
KADA and the local government banned building without permits and al-

lowed new homes to rebuild in their pre-

storm locations. Instead, with the quick response of the U.S. Federal Emergency Management Agency, emergency bar-

racks facilities were constructed for the homeless. FEMA worked closely with KADA, integrating its emergency assistance into KADA's long-term improve-

ment plan. The result is newly constructed communities of duplex apartments on Ebeye and Cugeege islands that replace the homes destroyed by Roy. Twenty-seven Ebeye families are moving into the new FEMA homes on



Gugeege, a previously uninhabited island. The Army has agreed to run its ferry service to Gugeege so that its new residents can get to and from work at (Continued on page 42)

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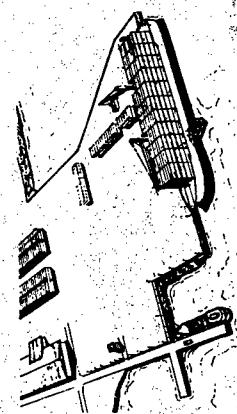
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Special Report: The Reconstruction of Ebeye

Kwajalein Revitalization...

(Continued from page 41)

KADA the okay for development. Our objective is to remodel Ebeye," said KADA. "With the Ebeye lease in hand, KADA has the power to move from the drawing boards to the streets of Ebeye." "We're at the fork in the road," said Howard. "Up to now, we've been establishing infrastructure for the future: roads, sewers, power plant, the dock. Now we can think about economic projects that will perpetuate themselves."

There are noticeable changes in people's perceptions of Ebeye. Ob-

served Hawpe: "During the last six months, there has been a change in gears. People are coming to us with proposals (for business developments). Now, local businessmen are thinking about development loans to expand their businesses, build new hotels. A year ago, they would have talked about this."

Justin deBruin, the Marshall Islands Government's liaison officer to Kwajalein—who also doubles as chairman of KADA's executive committee—said KADA is looking to encourage in-

vestments. "We're coming to us with proposals (for business developments). Now, local businessmen are thinking about development loans to expand their businesses, build new hotels. A year ago, they would have talked about this."

Eventually, said Hawpe, the island could accommodate 2,000 people. KADA officials point with some pride to Gogge as a model for future development. It's the first planned urban community in the Marshall Islands, and probably one of the first in the region. The solution to Ebeye's overcrowding, said Hawpe, is not to diminish the population, but to control development. And Gogge affords KADA and the Kwajalein Atoll local government the opportunity to do just that.

A second turning point last July saw all the major landowners of Ebeye sign a lease, granting more than 75 percent of Ebeye's land to KADA. "It will give the way for KADA's plan to disperse the population, establish commercial zones, expand recreational facilities and build the island's first public high school," said KADA executive director Jahan Rikton.

"Before the July lease signing," said KADA building inspector Augustine Nakamura, right, discusses the proposed housing project with KADA construction supervisor Scott Reed.



KADA building inspector Augustine Nakamura, right, discusses the proposed housing project with KADA construction supervisor Scott Reed.

Special Report: The Reconstruction of Ebeye

Kwajalein Revitalization...

(Continued from page 42)

"I'm excited about the economic side of KADA. It's new for us."

The next phase of the redevelopment of Ebeye and Gugene will likely move slowly until the causeway is built, allowing relocation options for Ebeye's cramped population. Businesses that want to expand are currently wall-to-wall with houses or other businesses. Describing Ebeye's dense housing, one resident said: "I can spit into my neighbor's window."

By contrast, the new FEMA-funded duplexes have been built with so much open space around them that it prompted one American construction worker to ask KADA why it wanted so much space around the homes. The cluster around the houses is designed specifically to accommodate additional families for large families, said KADA officials. Indeed, KADA landfill work has already added about 10 acres to the small island, a land area expansion of 15 percent. The days of shaking hands with your neighbors may be coming to an end for Ebeye. ■

Shimada Kouyou



KADA building inspector Augustine Nakamura, right, discusses the proposed housing project with KADA construction supervisor Scott Reed.

conceal-generating activities for residents. "Now that the infrastructure is ready, we can start thinking about economic development projects," he said. Among other projects, KADA plans to launch a hydroponic garden and a clam farm on the atoll. "Initially," said deBruin, "the objective of the projects is to improve nutrition. In the long run, they will look to exports," he said.

In addition, once the new Ebeye dock is completed, KADA will construct a small boat marina, which deBruin believes will give a boost to local commercial fishing. "Now, not a lot of fishermen on Ebeye are fishing commercially," he said. "But there is a ready market, with the Army willing to buy up to 2,000 pounds of fresh fish every month," he said. "Our plan is to build a small boat marina with a fish market, ice, gas and a guaranteed market for the fish," he said.

(Con)

Looking to the future, members of the KADA staff review proposed development

—Kwajalein Mayor Alton Jacklick now heads a local government workforce of more than 150 employees.

—JANUARY/FEBRUARY 1990

Local Kwajalein Government Takes Charge

By Cliff Johnson

"People said we were just a bunch of young radicals trying to overthrow the government," said the Army. "They were wrong then and they're wrong now," said Kwajalein Atoll Mayor Alton Jacklick of this sixteen-year-old local government.

Computers and FAX machines have in the background and Jacklick, in his spick-and-span, two-story office which overlooks Ebeye's new pier, is getting on the phone. "We're new pier administration," he said. In the distance, the U.S. Army's Kwajalein Missile Range Headquarters sits, while the national government in Majuro. The KALGov style was direct, and while it was bringing results on Ebeye, it frequently irritated the power structure in Majuro. Jacklick believed that Ebeye had waited too long for action, and he was determined to force the national government's attention to Ebeye's complaints. KALGov took a big jump in 1986 when, after more than a year of negotiations with the national government, no budget, just problems: streets littered with garbage, fresh-water

shameless KALGov took over the local government with its staff of 150. Jacklick's and the local government's rise to power is all the more remarkable in light of the improbable conditions in which it began.

Ebeye's first local government was elected in early 1983, and inaugurated in July of that year. There was no office, no staff, no budget, just problems: streets littered with garbage, fresh-water hoses 200 miles away in Majuro. Local control has obviously boosted morale and productivity. Now, Public Works provides very visible services, with daily (fertilizing, Sanitar) garbage collection, street cleaning (using a new street sweeper), hospital maintenance and public housing upkeep.

The local government works hand-in-

glove with the Kwajalein Atoll Development Authority. When a KADA construction or infrastructure project is completed, it is turned over to the local government for operation and maintenance. KALGov is in charge of enforcement ordinances relating to building and zoning, and handles all utility collections. Jacklick credits Jeafrik and Maie with his right and left-hand men—with the local government's success.

"Without Abon and Joma, KALGov wouldn't be what it is now," said Jacklick. "These guys worked for the people of Kwajalein for two and a half years without a regular salary. Things were

Kwajalein Mayor Alton Jacklick now heads a local government workforce of more than 150 employees.

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fuzzy at the beginning, but they sacrificed to help me." Jeadrik is now the island's city manager, overseeing KALGov's several million dollar annual budget and enforcement of local ordinances. Maie is an assistant supervisor at Public Works, responsible for maintaining the emergency housing for storm victims.

KALGov's police force has rapidly expanded during the past year under Public Safety Director Jemima Kabua. They now have 40 police officers (with plans to expand to 70 in 1990), and a newly constructed jail and office facility. The local government takes an active approach to enforcing its ordinances. In August, it mounted a sting operation against local bars to check for underage drinkers and those without required alcohol drinking permits. Dubbed "Tidal Wave" by the police, the operation netted more than 50 violations of KALGov's ordinance, including a substantial number of Americans from Kwajalein. Jeadrik noted that KALGov had launched similar checks in the past, but it was the first time that a lot of

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KALGov 'Takes Charge'...

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Americans from Kwajalein had been arrested. Jeadrik said that the sting operation had been mounted because "a lot of parents complained that kids were let into bars by the owners."

Enforcement of ordinances also brings substantial amounts of revenue into local government coffers. KALGov is still having difficulty, however, collecting water and electric payments more than two years after the billing system was started. Residents were conditioned during Trust Territory days to receiving all public services free of charge. Breaking the habit is proving troublesome, though the situation is gradually improving, said Jeadrik and Jacklick.

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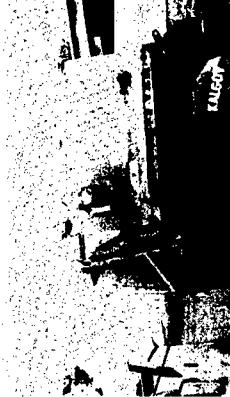


Ebeye City Manager Albon Jeadrik oversees the local government's multi-million-dollar budget, enforcement ordinances and government services.



Ebeye City Manager Albon Jeadrik oversees the local government's multi-million-dollar budget, enforcement ordinances and government services.

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Regularly scheduled garbage pick up by local government workers has dramatically improved sanitation on the overcrowded island.



Local government finance official Julian Rikton plays out the computerized payroll checks for KALGov employees.

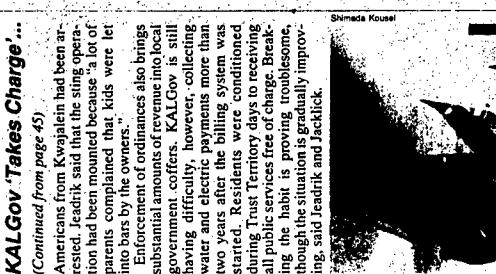
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A minor incident at the local government recently underscored in an amusing yet instructive way the changes that have occurred on the island. One day in August, a KALGov payroll computer "Bombed," prompting finance officer Julian Rikton to shake his head and work overtime to recover the financial records. Ten years ago, when the biggest complaint was that the toilets and sewers didn't work, few people had serviceable typewriters, let alone computers. There are still problems on the island, but Ebeye and KALGov have come a long way in a few short years.

Jacklick is now seeking the transfer of functions to KALGov of the ministries of Education and Health Services. "KALGov's record with Public Works and other activities demonstrates it is capable of handling the increased responsibility," he said. "Everyone said we were poison fish. But the poison fish have turned Ebeye around," said Jacklick. ■

Ebeye's combination power and desalination plant has the capacity to produce up to 350,000 gallons of fresh water daily.



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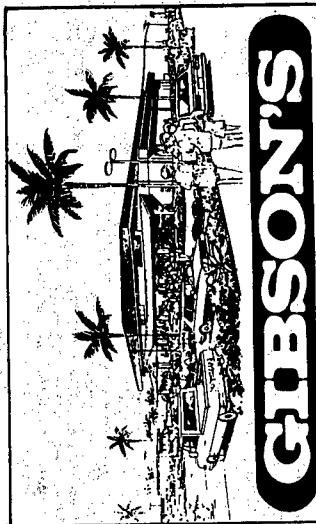
Missiles Play Major Role in Local Economy

by Giff Johnson

Early 1990 will bring the first field tests to Kwajalein of space weapons in the Strategic Defense Initiative (Star Wars). Though the Star Wars Program has resulted in an investment at Kwajalein of hundreds of millions of dollars for radar and launch facilities, and housing for American workers, missile defense work is nothing new to the Marshall Islands.

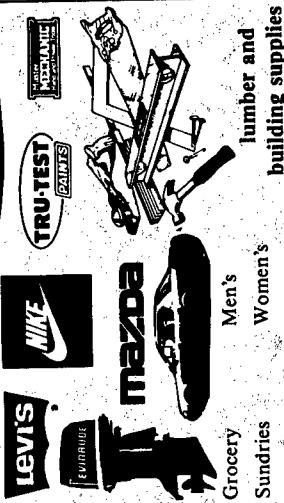
Since the early 1960s, Kwajalein has been the "bullyseye" for missiles launched from Vandenberg Air Force Base in California. The Minuteman, Trident and MX missiles have all been developed and

(Continued on page 50)



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Missile Range...

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each launch has been used as a "target of opportunity," —to test the Army's sat-gon—for developing radar tracking and intercept capability that was known as the Strategic Defense Initiative.

Kwajalein is the United States' only long-range missile testing site, and will be at center stage for testing this new generation of space weapons. The \$2-billion facility would be difficult or impossible to duplicate elsewhere, according to the Defense Department. Kwajalein's boomerang-shaped necklace of 90 odd islands surround an immense lagoon, forming the world's largest atoll.

Kwajalein provides an enclosed target for incoming missile warheads—safe from Soviet interference. The radar, telemetry equipment and high-speed infrared cameras on a dozen of the islands record every phase of flight of the warheads. Not surprisingly, the missile range (formally known as U.S. Army Kwajalein Atoll-USAKA) plays a major role in the economy of the Marshall Islands. According to Army estimates, Kwajalein accounts for an injection of \$23 million annually into the Marshall Islands, through land compensation payments,

Links between the two communities
Shimada Kousai



Employee bike to work past one of the many radar installations on Kwajalein.
Shimada Kousai
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Ebeye Residents Have Money to Spend**By Giff Johnson**

Companies are keen to do business on Ebeye because residents have what they call "buying power." The island has an extraordinarily high per capita income—in part from salaries of Kwajalein workers—but in large part from the multi-million-dollar base rental payments to landowners. About \$6 million a year is paid to some 80 senior landowners for rental of the Kwajalein Missile Range. The rental fee is no longer disputed, but the distribution of those funds among the landowners on Ebeye's continuing—if less than public—concern. What attracts the businesses—the hard cash of rental payments—could prove a troublesome issue in the years ahead.

In the early 1980s, when the land rental payments leaped into the millions, the Kwajalein Atoll Corp.—the major organization of landowners—employed a system of per capita payments that assured each of the roughly 5,000 Kwajalein landowners an equal quarterly allotment, irrespective of their holding or traditional status. Though these quarterly payments were relatively small, they were as collateral for obtaining bank loans and allowed Kwajalein residents to have group health insurance. All that is history.

Disputes among the landowners and with the Marshall Islands Government resulted in the demise of the once-powerful Kwajalein Atoll Corp. Now, the payments are divided into three equal portions for the *iroij*, *atob* and *dr-erob*—the three classes of Marshall Islands landowners. There are four *iroij* (chiefs) who receive one-third of the \$6 million, and about 75 *atob* and senior *dr-erob* who divide the remaining two-thirds. The rental payments are now distributed according to customary practices of sharing within lineages. *Iroij* have bristled when it has been publicly suggested that money isn't being distributed evenly to landowners at the bottom of the ladder. A U.S. Congressional report three years ago, however, was scathing in its criticism of the lack of a payment structure in the present system, claiming that it could undermine U.S. national security interests by planting the seeds of unrest among landowners at the missile range. Army officials say that once the U.S. gives the money to the Marshall Islands Government, which in turn pays the 80 senior landowners, it is none of the Army's business what happens to it.

There is talk among senior landowners of the possibility of establishing a new per capita payment system, suggesting that even though the KAC was an organization much in dispute, its plan was liked by many. Money is passed around among families by the senior landowners receiving these large sums. That is evident from the buying power of many Ebeye residents and the families with children studying overseas. The *iroij*, who by custom oversee the affairs of the community, say they're making it possible for people to gain off-island medical treatment and education with a portion of their share of the payments. But there are inherent pitfalls in a system involving the distribution of millions of dollars that relies on goodwill rather than a system based on contractual agreement.

Direct criticism of questioning is frowned upon in Marshallese—particularly if it involves higher-ranking leaders. Thus, what some landowners claim to be a problem with payment distribution will probably remain an issue.

What impact it has on the future of Ebeye and Kwajalein depends largely on the senior landowners. ■

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RRE Expansion...

(Continued from page 55)

operation is all bits and pieces. We like the shopping mall idea."

While it waits for decisions from the Kwajalein Atoll Development Authority (KADA) about land availability, RRE began a small expansion this past September. The fastest-selling food items at RRE are take-out ribs, barbecued chicken, pizza and local foods, when they are available. To get the fast-food operation into a more visible location, RRE is building a "deli" that will open directly onto Ebeye's main road, where it is bound to get more foot traffic.

But RRE's Ebeye facility is old and rundown-looking, compared to its sprawling new commercial complex in Majuro. Ramsey explains that "until the expansion plan is realized, we can't spend too much (money) in the facility." It is uncertain at this point whether RRE will expand on its current lot, which is close by the dock, or it will move to a different area.

Despite the uncertainty surrounding the expansion, Ebeye Grocery Manager Bob Jones said he sees people's eating habits changing, and the store changing with them. He is selling more fresh produce than before, and he said that in the past, the Ebeye store just sold frozen chicken and turkey pants. But now, people want a whole selection of bacon, bacon and other meats. The problem, he said, is having the freezer and cooler space in the cramped facility to meet the demand. Space on Ebeye is at a premium, and RRE's Ebeye Manager James Kabua points out that the store doesn't even have the space to house a standby generator in case the power goes out, although he said the power is now extremely reliable, since the opening of the island's new power plant in 1987.

Francis Reimers said that the company

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"We'd like them to get the business community together to help with the development plans," he said.

Ramsey said that businesspeople should not limit their thinking to Ebeye. Instead, they should look at opportunities around the atoll. He pointed to the Marshallese communities at Ebolon and Meijton in the western corner of the atoll; and the American community at Rose-



Competition among retailers has brought better prices and a bigger selection of goods to Ebeye.

RRE Looks at Multi-Million \$\$ Expansion**By Giff Johnson**

Robert Reimers Enterprises (RRE), the largest locally owned business in the Marshall Islands, has been the "big business" on Ebeye since it opened its first small store 20 years ago. Ebeye's unique space limitations have forced RRE to develop in four separate store locations on Ebeye.

But the company would like to develop a shopping complex similar to the one which is at the heart of Majuro's Business District. The company would like to build a shopping complex, including an Ace Hardware, a grocery and a retail store and a 20,000 square foot. Its current grocery facility is limited to 3,000 square feet, with no room for expansion, because of the packed housing conditions.

Lane Gibson's officials, Francis and Ramsey Reimers said they look forward to competition between the two large stores. "It's in the interest of the community to have more than one large store," said Francis, who oversees the Majuro wholesale and retail operations.

"Now," said Ramsey Reimers, RRE's chief executive officer, "the Ebeye

(Continued on page 56)



Robert Reimers Enterprises is the largest retail wholesale business on Ebeye.

Robert Reimers is now officially retired, leaving the day-to-day operations to his sons and daughter, and a team of American and New Zealand managers. Most days, he can be found wandering through the stores, chatting with employees, or socializing with friends outside the post office on the RRE "dell" over a cup of coffee. Reimers, in his modest, low-key way, says: "I like to make friends with people. That's my way of life." And a manager that has made the business a success story.

Beginning: Reimers got his start in business shortly after the end of World War II, when the U.S. Navy brought him to Kwajalein to operate a boat repair and maintenance shop for the center living units. He used the boat repair operation as a stepping stone for launching a retail business for islanders living on isolated and infrequently serviced atolls. In 1951, he moved to Majuro to run a similar boat service operation for the Navy. But he found Marshallese customs made it virtually impossible to collect close to \$80,000 in outstanding repair bills, so he got out of the boat business and concentrated on retailing consumer goods.

His first Majuro store was in Delap. Reimers lugs when he recalls that he started with just two other employees to staff his store. His wife, Adelene, and his son, Robert, helped him. At that time, there was just a handful of small "mom and pop" type stores on the island. The highest store was the U.S. Government's Island Trading Company, which had literally more than basic food staples in stock. So Reimers says that in addition to food, he began stocking a range of items

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(Continued from page 55)

While it waits for decisions from the Kwajalein Atoll Development Authority (KADA) about land availability, RRE began a small expansion this past September. The fastest-selling food items at RRE are take-out ribs, barbecued chicken, pizza and local foods, when they are available. To get the fast-food operation into a more visible location, RRE is building a "deli" that will open directly onto Ebeye's main road, where it is bound to get more foot traffic.

But RRE's Ebeye facility is old and rundown-looking, compared to its sprawling new commercial complex in Majuro. Ramsey explains that "until the expansion plan is realized, we can't spend too much (money) in the facility."

It is uncertain at this point whether RRE will expand on its current lot, which is close by the dock, or it will move to a different area.

Despite the uncertainty surrounding the expansion, Ebeye Grocery Manager Bob Jones said he sees people's eating habits changing, and the store changing with them. He is selling more fresh produce than before, and he said that in the past, the Ebeye store just sold frozen chicken and turkey pants. But now, people want a whole selection of bacon, bacon and other meats. The problem, he said, is having the freezer and cooler space in the cramped facility to meet the demand.

Space on Ebeye is at a premium,

and RRE's Ebeye Manager James Kabua points out that the store doesn't even have the space to house a standby generator in case the power goes out, although he said the power is now extremely reliable, since the opening of the island's new power plant in 1987.

Francis Reimers said that the company

is open to the ideas of the Kwajalein Atoll Development Authority, which is overseeing development plans on the island.

"We'd like them to get the business community together to help with the development plans," he said.

Ramsey said that businesspeople should not limit their thinking to Ebeye. Instead, they should look at opportunities around the atoll. He pointed to the Marshallese communities at Ebolon and Meijton in the western corner of the atoll; and the American community at Rose-

Special Report: 'The Reconstruction of Ebeye

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Special Report: 'The Reconstruction of Ebeye

RRE Expansion...

(Continued from page 55)

Congratulations to the leaders and people of Ebeye for their success in working towards a better future. We are proud to be a part of the emerging new Ebeye.



Previously not available on Majuro, "I brought in cosmetics, perfume and clothes from Hawaii," says his experience working for a large Japanese trading company on Woody Atoll before the war taught him what Marshallsealike to buy, he says.

In the early 1960s, Reimers moved the store to Ulithi, its present location. But it was little more than a hole-in-the-wall, with Reimers and his family living in the rent back. "When we moved to Ulithi, it was a very small store," he recalls. "We were living in the other side of the building."

Reimers built his reputation in large part upon his company's service to the

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Reimers built his reputation in large part upon his company's service to the



Robert Reimers: The man behind the biggest company in the Marshall Islands.

outer island communities. During the 1960s, his company operated five boats which went from island to island picking up copra in exchange for food and other goods. RRE no longer operates fleet of ships, and last year, ended years of service aboard government field vessels, saying that it could not afford the losses from pilferage, pests and related damage. Reimers credits Powell Mikkelsen, who managed the store from the mid-1960s to 1972, and Ron Levy, who took over in 1972 until his death in 1985, with having the skills and business sense that helped the company become the largest homegrown business in the Marshals—and one of the largest, in all of Micronesia.

(Continued on page 58)

Special Report: 'The Reconstruction of Ebeye'

40 Years of Success...

(Continued from page 57)

Competitor, it was the opening of Gibson's store on Majuro in 1964 which launched RRE on a long-term, multi-million-dollar investment in renovation and expansion that will continue well into the 1990s. The nonstop expansion resulted in the opening of renovated retail and wholesale stores, and the new, Air-Care Hardware, hotel, restaurant and commercial center complex. The new facilities have been built on filled land. With dredge and fill, RRE has added several acres to its lagoon-front property, and plans a small boat marina adjacent to its secondary hotel...

Gibson's was the first company that could compete on RRE's level. Prior to its opening in 1964, there was little in the way of merchandising or competitive sales. In the last five years, sales, special promotions and a much wider selection of goods have become available, in Majuro stores. And there's not just competition between RRE and Gibson's. The competitive spirit has also infected the mid-level businesses, most of which have renovated and expanded.

Reimers' dream for many years, he says, was to see Majuro develop and grow, and his store to be at the forefront of that growth. Though he has more than achieved his goal, Reimers says the company will continue expanding to meet the demands of the community. The next project will be a small boat marina with a pier-side gas station so fishermen can save time by gassing up their boats in the water.

Gibson's Sees Major Ebeye Shopping Center

by Giff Johnson

"What's happened the last few years on Ebeye and what's going to happen in the next few years is dramatic," said Gibson's Majuro Manager John Smith. "Ebeye," he said, "is quickly moving from the 'sum of the Pacific' to the show place of the 'sum of the Pacific.' And Gibson's wants to be a part of the development. The Guam- and Honolulu-based company has proposed establishing this small island's first major shopping complex that would include a grocery and

hardware store, restaurant, hotel and commercial office and store space. Until recently, Ebeye has basically been a one-store town, with Robert Reimers' enterprises having the largest retail and wholesale facility. Gibson's put a foot in the Ebeye market by opening up a small, 1,200-square-foot clothing shop in November, 1988. "We're very pleased with the response people have shown to our little store," said Smith, who has lived in the Marshalls for more than 15 years.

Gibson's Ebeye Store Manager Katina Anen agrees. She said they have been able to lower prices on clothing by ordering direct from U.S. suppliers, and this has attracted new customers. Although the store has space only for clothes and sundries, she said she receives special orders for many food and other items which Gibson's ships in for its customers.

"Gibson's didn't come just to service Majuro; it wants to serve all the islands," Smith said. "Now we're moving in that direction."

He indicated that Gibson's is eyeing the possibility of \$5-million to \$10-million investment in an Ebeye shopping complex that would take about two years to complete. Asked whether Ebeye's two marionettes, Smith said: "Everyone asked that in Majuro when Gibson's opened in 1984. But it made all the retail stores better. Businesses in Majuro are prospering. Majuro is shown that it can support two very large businesses and several mid-sized ones. Ebeye won't have any trouble with the addition of another big one."

Smith also believes that there is a largely unopened market of Americans living at the Kwajalein base. There are about 3,000 Americans at Kwajalein, just three miles—and 10 minutes away by Army ferries—which run a dozen times a day between the two islands.

"The shopping facilities on Kwajalein are very limited," said Smith. "If Ebeye had a good shopping center, it would bring interest from Kwajalein residents, which would result in more exposure to Ebeye and better relations between the two communities."

A master lease, giving the Kwajalein Atoll Development Authority control of

most of Ebeye's 76 acres was signed recently. Smith believes it paves the way for business expansion on the island. ■



Shade Kousai
Gibson's opened a small store on Ebeye in 1988 and is now eying the possibility of building a multi-million-dollar shopping complex.

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Special Report: The Reconstruction of Ebeye

Anrohasa Hotel...

(Continued from page 59)

additional. Aitnik Maike's hotel also offers several rooms, and Rudy and Irene Paul are soon to open a new hotel on the island.

Like most Ebeye businesses and homes, the Anrohasa is small. The Inoks went to a second-story to fit in more rooms, and currently offer seven. The rooms are small, but smartly furnished with carpeting, framed paintings, a refrigerator, a television (with satellite reception) and a desk and chair. Downstairs, is the "Inok." Ebeye version of a family restaurant. Customers sit in shoulder-to-shoulder on a bench around an L-shaped counter. It was built for about 6, but most frequently has about 10 customers in the popular spot.

The Inoks have big plans for a 20-room addition, first-class restaurant and a bar. They are applying for a loan from the Marshall Islands Development Bank to finance the project, which would be connected to the current hotel and built out over newly filled land on the lagoon. But, despite their plans for major improvements, all the Inoks' customers tell them they have to like the small restaurant, because they like it so much.

The Anrohasa Hotel is a family affair,

with both Fountain and Ann frequently

there to catch up on the latest news over

a cup of coffee, or a steaming baked bun-

ny or sweet roll. Ann handles the day-

to-day operations of the hotel and res-

taurant, as Fountain, a Koyaklein Atoll Development Authority executive committee member, is frequently off-island on KADA business.

The Inoks started with a retail grocery store, then expanded with a laundromat. Now, only the laundromat remains. "We gave up on the store because of problems with credit," they explained.

But the hotel and restaurant are more than enough, as the Inoks look to major expansion in the near future. ■

LaBobby's Is Ebeye's Most Popular Eatery

by Giff Johnson

LaBobby's Restaurant has developed into one of Ebeye's most frequented eating spots in the year since it opened. The modern decor, combined with a wide range of offerings on the menu, including a quick take-out service, makes the restaurant a favorite on this tiny island.

Bobby Laming operated the popularlander Disco for eight years before closing up the nightclubs and moving into the restaurant business. But he hasn't looked

happy with the nightclubs business the

past year or so.

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Special Report: 'The Reconstruction of Ebeye'

Interview

Carleton Hawpe: Ebeye's Architect

Kwajalein three times a week. The Pacific Magazine: You've been involved in architectural and design work in the Marshall Islands, mostly falling apart.

PACIFIC MAGAZINE: Can you compare that with the situation on Ebeye Island today?

HAWPE: While there is still a long way to go toward improvement, the people's mood is very upbeat. A lot has been

Architect Carleton Hawpe is no stranger to the Marshall Islands. After graduating with a degree in architecture from the University of Virginia in 1966, he joined the first group of Peace Corps volunteers in the Marshall Islands. Since then, Hawpe has had a hand in designing many of Majuro's most notable public and private facilities, including the museum/library complex, an earlier version of the Nauru Eastern Gateway Hotel and the Robert Reimers Enterprises post office/commercial complex.

After living in the Marshalls for 14 years, he and his family moved to Hawaii in 1979. Initially, he worked with Franklin Gray & Associates of Honolulu, and began regular commutes to the Marshalls. In 1984, he launched his own architecture firm—Carleton Hawpe & Associates. Since then, Hawpe has been a consultant with the Kwajalein Atoll Development Authority. In addition to spending about 80 percent of his time on Ebeye development work, he has designed elementary schools and a high school cafeteria for the Marshall Islands Government.

The sewers have been rebuilt and the system expanded. The electrical distribution system has been rebuilt, the road, which used to be either a continuous mud puddle or a dirt bowl, depending on the time of year, has been paved and there is now a sidewalk around the entire island. In other words, what the Kwajalein Atoll Development Authority (KADA) has done, initially, is to establish an operating infrastructure for the island, so that it can function as an urban community.

PACIFIC MAGAZINE: Ebeye, with 8,500 people living on 76 acres of land, has long been known as the "slum of the island like 10 years ago."

HAWPE: Ebeye hit bottom in 1979, when virtually all of its utility systems ceased to function. Sewage was backed up, into people's homes, because the sewer lines had collapsed, the power was out half the time, and there was no fresh water, except what was barged in from

Special Report: 'The Reconstruction of Ebeye'

Carleton Hawpe...

(Continued from page 61)

and budgets; finding sources of money in Washington, and elsewhere; initiating projects; then being involved in managing the execution of projects to the end. It makes for a very comprehensive experience.

PACIFIC MAGAZINE: Do you think that the real changes are over, or is it possible that the most interesting development is just beginning?

HAWPE: Just beginning. Up to now, and until the new port development and causeway are completed, KADA has really just established the infrastructural platform necessary to support real development. The community is essentially a bedroom community for Marshallese employed at the missile range (USAKA), with only a very basic service sector. But one of the companies that withdrew from the Kwajalein Island, with the hope of raising vegetables for the American community market there, KADA also has plans to develop a fisherman's marina and support facilities to encourage commercial fishing as a local industry. So even though the community will continue to remain heavily dependent on Kwajalein for jobs—after all, USAKA is its most valuable resource—there is an effort being made to diversify and expand the economy beyond its present limited scope.

Dredging is well underway for the new dock areas at Ebeye. When completed, the project will add two to three more acres to the stool.

Carleton Hawpe...

(Continued from page 61)

PACIFIC MAGAZINE: Is the upbeat business attitude much of a turnaround from years past?

HAWPE: It certainly is. Up until three years ago, Robert Reimers Enterprises (RRE) was the only store that was commercially significant. The first time there was real competition established was when the warehouse I mentioned was leased by KADA to Triple Out of Guam to establish a wholesale outlet that competed directly with RRE. Prices to consumers on the island have come down a bit as a result. Recently, Gibson's established a store and hopes to expand, and there will be a new company—Central Pacific Traders—establishing a wholesale operation on Ebeye, and a retail store on Guiggeue in the first quarter of 1990. Once there is more variety of products available, I also think you'll see that Americans from USAKA will begin to make shopping

Workmen lay blacktop along Ebeye's main road, which was a dust bowl in dry weather or a mud puddle during the rainy season. A new sidewalk around the entire island also was built.

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Special Report: 'The Reconstruction of Ebeye'

your earlier experiences in Majuro?

HAWPE: Rarely is the opportunity presented—at least in the Pacific Islands—to affect the design of an entire community so completely. That's not to say that many master plans have not been written for the various communities there. Ebeye alone has had at least three written in the past 25 years.

But almost always, these documents end up on the shelf collecting dust, and no one ever bothers to pay any attention to them. In Ebeye's case this time, the master planning has included carrying through from conceptual planning to actual implementation of the program, not just the writing of the original document.

It's been an interesting exercise. Not only in designing structures, but in working with the KADA board and other staff members in creating development policies, establishing project priorities.

(Continued on page 62)

PACIFIC MAGAZINE—61



Carleton Hawpe...
(Continued from page 61)

PACIFIC MAGAZINE: As you go involved in redesigning the whole stool on island structure, how did it differ from your earlier experiences in Majuro?

HAWPE: Rarely is the opportunity presented—at least in the Pacific Islands—to affect the design of an entire community so completely. That's not to say that many master plans have not been written for the various communities there. Ebeye alone has had at least three written in the past 25 years.

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Carlton Hawpe...

(Continued from page 67)

ideally, the major development programs should be completed in the first eight years of the plan, in order to gain the most impact. However, this is not possible with the payment spread out. We could, and probably will, borrow against these funds, but while that gets the projects done faster, it leaves the number of the money will go to interest on the loans.

Our strategy up to now has been to lobby the U.S. Congress for specific and pressing needs, as well as seek funding from the federal agencies. We have been turned down a number of times, but also received \$1 million towards the causeway and hopefully, \$2 million this year towards the new port project.

We have received funds from the RHM for an eight-classroom building for the Ebeye Elementary School, and hope to get further financial support from the for a much-needed high school facility. We are also seeking possible loans from banks and looking into the feasibility of a bond issue.

PACIFIC MAGAZINE: Key leaders point to Gugelene and Ebe as models of development progress. But realistically, it will still be many years before overcrowding is relieved to a satisfactory extent and living standards improved to an acceptable level. Is that a very distant goal?

HAWPE: I don't think we will ever completely solve the problems of over-crowding on Ebeye. We can help control future development so that it can accommodate growth in a more orderly way and thereby help mitigate the health and environmental problems associated with overcrowding. But the fact is, there is only so much room to expand in and, with the highest birthrate in the world, the population pressures are just too great for the foreseeable future.

I do anticipate that the population rate will start to taper off in the next 10 years or so, but not enough to have much effect. If USAID cuts back its operations to a caretaker status, that would affect employment, and there could be some out-migration as a result.



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PACIFIC MAGAZINE—69

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WR315

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am a resident of Kauai, and deeply concerned about the future plans for the S.D.I. program at Mauna. I am opposed to any nuclear weapon system on this island. I am very concerned about hazardous material storage and the contamination of the land, water and air. The unique and fragile native Hawaiian wildlife would be severely threatened, if not destroyed, should a catastrophic launch occur.

Please re-consider this expensive and dangerous program. We do not need these added stresses on our environment!

Name Barbara P. Stuart

Address P.O. Box 267 Hawelei HI - 96714

Street Address

City/State/Zip Code

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR316

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I am a resident of Kauai, and deeply concerned about the future plans for the S.D.I. program at Mauna. I am opposed to any nuclear weapon system on this island. I am very concerned about hazardous material storage and the contamination of the land, water and air. The unique and fragile native Hawaiian wildlife would be severely threatened, if not destroyed, should a catastrophic launch occur.

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P.O. Box 1500
Huntsville, Alabama 35807-3801

Please use your pen to sign the proposed Star Wars Principles for Humanity.
Also put an end to the STAR WARS Principles for Humanity.

P.O. Box 327

Laurei, Kauai, Hawaii
April 7, 1992

Dear Senator Dorgan and Mr. Julian

I do not support the Star Wars program
in Kauai. I do support PMRF and am
happy for its presence there. However, Kauai
is not the place for such a program as
the Star Wars project.

Respectfully,

La Rae Schut

P.O. Box 327
La Rae Schut
Kauai, HI 96765

WR316



HAWAII CONFERENCE
UNITED CHURCH OF CHRIST

April 13, 1992

[1]

TO: Deputy Commander
U.S. Army Strategic Defense Command

FROM: Board of Directors of the
Hawaii Conference United Church of Christ

SUBJECT: STRATEGIC TARGET SYSTEM DRAFT EIS

The referenced document was brought to the attention of the Board of Directors of the Hawaii Conference of the United Church of Christ by its Micronesia Committee at the scheduled meeting of April 11, 1992. The imminent deadline for response to the U.S. Army Strategic Defense Command (postmark by April 13, 1992) precludes a comprehensive response by this Board. However, on the basis of the project description provided by the DEIS, the following specific concerns were expressed:

1. What safeguards have been put into place to protect people in the downrange impact zone in the event of a hazardous situation developing in the course of an operation.

2. Given the increasing concern over the decline in protective ozone layer dimensions, particularly over the Pacific area as a residual consequence of the Pinatubo eruption, we are concerned about plans to release freon (CFC's) in the upper atmosphere during missile flights.

3. Pursuant to the National Environmental Policy Act (NEPA), consultation with potentially affected parties is required. In view of potential health, safety, and socioeconomic impacts on people of the Republic of the Marshall Islands.

a. Has the U.S.A.D.C. specifically consulted with the Marshallese general public?

b. If so, how has this consultation been implemented? (i.e. Have public notices scoping meetings been conducted in the Marshallese language?)

We suggest that issues raised in this meeting be considered as formal public commentary pursuant to NEPA, and we request a response to these specific concerns.

Your conscientious consideration in this matter will be much appreciated.

La Rae Schut

La Rae Schut

President

NWJ.KL.mgr

15 Crippler Place, Honolulu, Hawaii 96817 • (808) 537-5516 • FAX: (808) 521-7156

WR317

LISA CERVANTES
P.O. Box 2050
Lihue, HI 96766

April 10, 1992

Deputy Commander
U.S. ARMY STRATEGIC DEFENSE COMMAND,
CSD-RN-V (D. Gallien)

P.O. Box 1500
Huntsville, AL 356-7-3801

Attn: Henry Cooper

To Mr. Gallien and Mr. Cooper:

I sincerely hope that you do not view mine and other Kauaians' comments as thoughts that do not really matter. I truly hope and pray with all my heart that you open your minds to the ways in which others see things.

I realize that you have been trained (and trained well) for many years, whether you were trained by military or some other method and through that were led to believe that SDI can and will work, with the proper testing, technological advances and research.

I have examined books, articles and literature on both sides of the national SDI issue, and have concluded that SDI will fail because:

1. Its nuclear strategy is deficient in failing to recognize bomber aircraft, cruise missiles and smuggled warheads. It requires 87 launch sites to be operational, one of which is not yet even in existence.

2. Economically, its main beneficiaries are arms producers, drycleaning scientists and top officials, like you, Mr. Cooper, while the hooligans (work force) are fed crumbs from your table.

3. With the Soviets in chaos, we know the Middle East will be our next so-called threat. Americans, military and otherwise; however, are fed-up with seeing government hypocritically marketing arms to "enemies" and then bullying them into war.

You have provided a DEIS and informational literature supporting SDI on Kauai and have listed four major areas that will affect the decision to go forward with the program here or not.

On behalf of Kauai, it has been evident through the Public hearings "granted" to us by the Army, the media, and County Public forums and hearings, that over 70% of Kauai's population is opposed to this testing in the your stated four major areas:

Environment:

- * Maui's ozone is depleted by 10% at present.
Releasing hydrazine, nitrogen tetroxide and other rocket fuels into the air is foolhardy.

- * The Marshall Islanders oppression is a national embarrassment, and should be reversed THIS MINUTE!

Technical:

- * The Army's DEIS makes NO assurances with regard to Public safety or safety of the missiles themselves. Are we to believe there will be no "significant" impact simply because THE ARMY SAYS SO? Why should anyone believe THAT???

Economics:

- * Kauai is a national treasure, a rare and lush tropical garden, not some barren desert. Tourism is our main economic base. To risk the loss of our Reputation as a retreat of beauty and peace for the far-reaching SDI research is ludicrous.

Agency-Mission Requirements:

- * Mint law says you can use Hawaiian lands, bully the state into granting stars access, and rip-off the taxpayers year after year? If we have any VOICE at all, hear our questions!
- * We urge you to LISTEN to the VOICES of reason and reality. We pay taxes all our lives and would truly rather see a world without suffering, even if the military needs to work in the streets with the war on drugs and poverty. Send their scientists with technological advances to clean, e filthy environment. We need disciplined, fresh, intelligent... ands not for war toys but for world health.

Keep our military for our protection at airports and other city centers where terroristic games create real threats to public safety. Don't forget what happened to Argentina just this year.

I am proud to be on record for opposing SDI with all my intellectual, moral and spiritual might, and hope against hope it will somehow, someday, THIS DAY, make a difference!

AS SINCERE AS I CAN BE,

Lisa Cervantes

JESSE CERVANTES
P.O. Box 2050
Lihue, HI 96766

April 10, 1992

Deputy Commander
U.S. ARMY STRATEGIC DEFENSE COMMAND,
CSD-EN-V (D. Gallien)
P.O. Box 1500
Huntsville, AL 358-7-3801

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SINCERELY,

Jesse Cervantes
Jesse Cervantes

WWR322

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1
I think it is a disaster to place the Strategic Target System on the island of Kauai. It will cause damage to the ozone layer and creates an atmosphere of tension every time you will close the brackets. We really have very few if any enemies who have offensive equipment that comes close to threatening us or such a massive scale that we need star wars. Why don't you save the nation 34 billion and just focus on some peace etc.

Name Ronald Sere
Address C/o North Shore Prep Hawaii Kauai 96714
Street Address
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

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WWR322

Written Comment Sheet

**Strategic Target System
Draft Environmental Impact Statement**

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1
The Star Wars project is wrong both for the time and place at which it is proposed. In an era where the Cold War has ended, the Soviet Union has disbanded, the United States deficit is huge, and the military budget is being cut this project makes no sense. Nor does it make sense for small, fragile, balance & Kauai. Any disaster would affect the whole Hawaiian Island and only a small mishap would be necessary to ruin the environmental balance and beauty of Barkings Islands & Kauai. I do not believe the conclusions or the EIS that launching missiles and dropping their launcher attachment will not affect the area and the wildlife especially turtles and whales which I →

Name Mehana Blaich
Address 2120 Haleka Pl
Street Address Honolulu, HI 96822
City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:

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U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
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P.O. Box 1500
Huntsville, Alabama 35807-3801

WWR322

General Hammond

In the experienced there an ETS prepared by the Army or an Army project is hardly, unbelieveable. Please do not do this to our island and to our world which needs trust and peace - not defenses against enemies which no longer exist.

Sincerely,
Alphonzo Flaxion

P.S. Senator Inouye has said that the people working at PHRF now will not lose their jobs if this proposal is not passed - it is not an issue of jobs.

I'm glad efforts were made at getting the environmental impact statement done. I didn't feel the EIS was done as thoroughly as I would have liked. It didn't include the possibilities of accidents either at the launch site or the fuel's travel on the road, water or by air. To have us believe STARS would only damage some jeans and culture is absurd.

I remember not too long ago the damage Hurricane Inua did to our island and to our tourist economy. This was a natural disaster that took us many years to recover from. I doubt we could ever recover from a man made disaster like the one STARS could provide. The damage seems endless. Endangering our plant and animal life, endangering our Hawaiian sacred site, jeopardizing our air, water and fishing, and more damage to our Oahu coastline. All these items are critical to the well being and to the tourist industry. I ask that you do not endanger my life or my families life and put an end to the STARS program.

Thank you
Sierra Makaravay



For the Protection of Hawaii's Native Wildlife

HAWAII AUDUBON SOCIETY

HAWAII AUDUBON SOCIETY
212 Kekaha Kai St., Suite 600
Honolulu, HI 96813

April 13, 1992

Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

The purpose of this letter is to provide comments on the Draft Environmental Impact Statement for the Strategic Target System Program at the Kaua'i Test Facility, Pacific Missile Range Facility on Kaua'i, Hawai'i.

GENERAL COMMENTS

1. Although the Draft Environmental Impact Statement ("DEIS") for the Strategic Target System ("STARS") program discusses the No-Action alternative, it fails to evaluate this alternative in light of recent international relations and global affairs, which cannot be ignored. The No-Action alternative must be re-evaluated in light of these recent developments.

2. The STARS DEIS describes a program that is only part of a larger one. The Army has illegally segmented the STARS program by assessing each component of the program separately, and fails to discuss other STARS programs at the Pacific Missile Range Facility ("PMRF"). Consequently, the Army has prevented meaningful analysis of the cumulative impacts of the program.

3. As in the Environmental Assessment for the STARS program on Kaua'i (U.S. Army Strategic Defense Command 1990), the Army does not include detailed information on safety procedures to be followed in the proposed STARS program. Instead, the Army refers to various plans, regulations, and requirements — several of which are yet to be developed — in discussing the effects of the proposed action on public health and safety (see specific comments on liquid propellants below, for example). In the absence of such specific information on safety procedures, regulations, and requirements, it is impossible to evaluate the effectiveness of the proposed mitigation measures.

WPS326 (cont.)

GENERAL COMMENTS cont.

4. The Army has failed to conduct recent field surveys of rare and endangered species and their habitats at PMRF and in the general vicinity. Consequently, it is impossible to evaluate potential impacts to the species and their habitats resulting from the proposed action. Furthermore, there is no discussion in the DEIS on the adverse impacts to rare and endangered species in the affected area, within the context of overall populations and statewide distributions.

SPECIFIC COMMENTS

Motor Boosters

1. The alternative involving the remanufacturing of necessary motor boosters is not thoroughly discussed in the DEIS. On the one hand, the Army claims that remanufacturing boosters would be too costly and time consuming, and that the necessary tooling is no longer available. On the other hand, the Army is prepared to refurbish the Polaris boosters for which some tooling is apparently available. The EIS must provide a more thorough discussion on the remanufacturing alternative in order to properly assess this alternative.
2. A history of Polaris A3 launch malfunctions, aborted launches, terminated launches, and other accidents should be included in the EIS.
3. The Army's typical conclusions for virtually every concern relating to the aging and reliability of first- and second-stage motor boosters is that "the proposed protocol of x-raying and refurbishment addresses the issues that have been associated with aging first-second-stage boosters." However, the Army does not provide adequate information on the effectiveness of previous testing, x-raying, and refurbishing. The DEIS should also include evaluations by independent experts and consultants who have no professional or economic interest in the STARS program. This is justified for several reasons. The Army did not adequately discuss aging and booster reliability in its Environmental Assessment. Differing opinions among experts in the field were brought to light in a legal action filed by the Sierra Club Legal Defense Fund against the Army.

2

Motor Boosters cont.

4. Regarding the third-stage motor boosters, the Army states that there is not a large statistical data base to address the reliability of the third-stage motor boosters. The Army further states that, because the third-stage motor is newly manufactured, there are no reliability or safety issues associated with its development and use. It would be more accurate to say that reliability and safety issues relating to the newly manufactured third-stage boosters are not known at this time, rather than to say they do not exist. Presumably, the third-stage boosters will be tested and monitored at some point. However, the Army does not thoroughly discuss how, specifically, the third-stage motors will be tested and monitored for safety, reliability, and compatibility with refurbished first- and second-stage motor boosters.

5. The Army also notes in the DEIS that the third-stage motor boosters were designed to have a 5-year storage life without degradation. Since the STARS program is at least a 10-year program, how, specifically, does the Army plan to test the third-stage motors: (1) at the onset of each launch; and (2) after the 5-year storage life period? This information is necessary to evaluate the safety and reliability of the third-stage motor boosters.

6. It is not clear from the DEIS why the Minuteman III boosters would not be able to "transmit encrypted information when flown on a Minuteman III as they are permitted to do when flown on a Strategic Target System vehicle." The DEIS should include such an explanation so that a more complete assessment of this alternative can be made.

Liquid Propellants

7. Throughout the EIS, the Army cites various safety procedures, safety regulations, and standard operating procedures for the PMRR. The Army further states that safety plans will be developed. All relevant information must be included in the EIS. Citations to existing documents and references to plans that have not been developed yet, if any, use in evaluating the program's impacts and the Army's proposed mitigation.

8. Who will develop the safety plans and operating procedures mentioned in the DEIS? Who will review them, and who will ultimately approve them? Will a supplemental statement be prepared upon completion of these procedures and plans? This information is essential in our evaluation of the proposed action and mitigative measures.

Liquid Propellants cont.

9. Worst-case scenarios regarding spills and accidents involving hydrazine and other hazardous substances must be included in the DEIS.

Launches

10. Criteria by which launch azimuths will be determined should be included in the DEIS.

11. Figures 2-12 and 2-13 (showing PMRR ocean safety zone and SPARS ground hazard area) should include existing water and land uses, respectively.

12. The release of hydrazine into the atmosphere (by experimental payload and venting experiments) is not discussed in the DEIS. Although the DEIS states that similar experiments have been conducted previously by the U.S. Air Force for other programs, the DEIS does not discuss the results of the experiments, nor does it discuss why additional experiments are required for the STARS program.

13. The DEIS states that launches will be postponed if endangered Humpback whales (*Megaptera novaeangliae*) are observed in the area. This means that missiles will remain on the launching pad for an undetermined amount of time, until the whales are no longer in the vicinity. In addition, certain public recreation areas will remain closed/evacuated until the whales are no longer observed in the area. If whales are utilizing the waters during the entire "whale winter season," is the Army proposing to ban SPARS launches for the entire season? This could mean prohibiting launches for as long as 5-7 months. It is impossible to assess the impacts to public recreation and safety without knowing, specifically, how long the whales utilize the area in any given season and, consequently, how long launches may be delayed on the pad.

14. The effects of launch emissions should be discussed for sugar cane and other plants in the area.

Air Quality and Hazardous Substances

15. In the DEIS, the Army finds that the amount of ozone-depleting chemicals released by STARS is insignificant when compared to other sources, such as the Space Shuttle launches. Impacts to ozone caused by launch emissions and releases of ozone-depleting chemicals need to be assessed within the context of existing emissions and releases on Kauai and in Hawaii.

Air quality and Hazardous Substances cont..

16. Although the DEIS briefly discusses the greenhouse affect, the Army does not compare the increased levels with existing emissions from Kaua'i. As in the case of ozone depletion, the Army finds that levels of carbon dioxide from STARS launches are insignificant when compared to other (global) sources, and significance within the Kaua'i context is not evaluated.
17. The DEIS does not adequately discuss potential fish kills resulting from the emission of hydrogen chloride.
18. Discussions on wind patterns, launch emissions, and terminated launches should include impact assessments for periods when Kona (or Leeward) winds prevail. These winds blow from southerly quadrants and do not follow the prevailing, northeast trade wind patterns.
19. The DEIS does not discuss the impacts caused by water deluge systems (used to protect dune, and non-native vegetation during launches) on soil and groundwater quality.
20. The DEIS does not explain why lead deposition is not a factor in the proposed STARS launches, if this is the case.
21. Figures 3-3 and 3-4 should reflect the type of sampling being proposed.
22. Table 3-3 should include a column indicating STARS results (per launch).

Rare and Endangered Species

19. and research on Humpback whales is currently being conducted by researchers from Moss Landing. Preliminary results indicate that the waters between Kaua'i and Ni'ihau may be very significant for the Hawaiian population of Humpback whales. The DEIS does not mention this information. The DEIS also fails to discuss the proposed action in relation to the overall distribution of Humpback whales in the Hawaiian Islands and in the North Pacific. Consequently, impacts to the species cannot be accurately assessed and properly mitigated.
20. Site (submarine) surveys of the threatened Green sea turtle (*Chelonia mydas*) should also be conducted in the waters off PMRF, especially in the proposed landing areas at Major Bay and 0.6 mi south of Nohili Ditch. The surveys are needed in order to specifically assess impacts on foraging and resting habitat. Existing information indicates that turtles aggregate or occur in large numbers in the immediate vicinity of the Nohili drainage ditch. The DEIS should include this information, as well as the impacts of the proposed action on the habitat.
21. The EIS should also discuss the PMRF nesting occurrences of the Green sea turtle within the context of total nesting habitat remaining on the main Hawaiian islands. The fact that 90 percent of the nesting occurs at the French Frigate Shoals makes it essential to protect any nesting habitat on the main Hawaiian islands. The DEIS does not discuss the potential impacts of lights on gravid females and on hatchlings. Such information is necessary to evaluate the potential impacts to the breeding of this species.
22. The DEIS should also discuss the possibility of nesting Hawksbill sea turtles (*Eretmochelys imbricata*) at PMRF. Have recent field surveys been conducted in order to rule out this possibility? Potential impacts caused by the proposed action to this species must also be assessed and mitigated, if it is known or found to occur at PMRF.
23. There is little discussion on the impact of noise to endangered Hawaiian water birds (coot, *Fulica americana*, alai; gallinule, *Gallinula chloropus sandvicensis*; stilts, *Himantopus mexicanus knudseni*; and duck, *Anas wyvilliana*).
24. Because field surveys of the endangered Humpback whale (*Megaptera novaeangliae*) in waters between Kaua'i and Ni'ihau were not conducted in preparation of the DEIS, it is not possible to assess the impacts to this endangered species caused by the proposed action. The DEIS does not contain adequate information on the use of these waters by whales during a typical winter season, nor does the DEIS discuss the use of the area by cow/calf pairs. Censusing

Rare and Endangered Species cont..

25. site (submarine) surveys of the threatened Green sea turtle (*Chelonia mydas*) should also be conducted in the waters off PMRF, especially in the proposed landing areas at Major Bay and 0.6 mi south of Nohili Ditch. The surveys are needed in order to specifically assess impacts on foraging and resting habitat. Existing information indicates that turtles aggregate or occur in large numbers in the immediate vicinity of the Nohili drainage ditch. The DEIS should include this information, as well as the impacts of the proposed action on the habitat.
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WR326 (cont.)**Rare and Endangered Species cont.**

29. There is no discussion on the effects of launch emissions on water bird egg fertility and hatching success. Undoubtedly, research has been conducted on chemicals and their effects on the eggs of similar species elsewhere. Such research results are necessary in assessing the proposed project's impacts on these endangered birds.
30. The DEIS does not discuss the effects of launch emissions on water quality and food sources for endangered water birds in the area. It should also be noted that irritation to the birds' legs and skin (potentially resulting from chemical spills) would be in violation of both federal and state endangered species laws.
31. The subspecific name for the Hawaiian gallinule is *sandvicensis*.

32. The endangered Hawaiian stilt's foraging behavior is different than that of the Hawaiian coot, gallinule, and duck. It is a wader and utilizes shallow salt-water and mudflats. The Army's evaluation of the proposed action's impacts on the stilt should reflect this distinctive habitat preference.

33. The DEIS does not adequately discuss how the Laysan albatross (*Diomedea immutabilis*) will be affected by the proposed action. Specifically, how many known courting and nesting habitats of this bird are known from the main Hawaiian Islands? How does the proposed action affect the species' breeding? The latter is especially critical in light of the fact that various tactics have been employed over the years to discourage albatrosses from nesting at PMRF.

34. The Army does not discuss the foraging behavior of the endangered Hawaiian hoary bat (*Lasiurus cinereus semotus*) along the shoreline at PMRF.

35. The most commonly accepted name of the genus to which the endangered Hawaii hoary bat belongs is *Lasurus*.

36. The Hawaiian monk seal (*Monachus schauinslandi*) is not Hawaii's only endemic mammal, as stated in the DEIS. The Hawaiian hoary bat is also endemic to the Hawaiian islands.

37. The DEIS should discuss the success rates of transplanting "Adder's tongue" (*Ophioglossum concinnum*) to "suitable habitat elsewhere," as discussed in the DEIS, so that this mitigative measure can be properly evaluated.

WR326 (cont.)**Rare and Endangered Species cont.**

38. Well-developed native strand vegetation is rare in the Hawaiian islands today. Discussion on this ecosystem-type at Nohili should be made within the context of the statewide distribution of such communities.
39. The spelling of "Brauggman" should be corrected to "Bruegmann."

Land/Water USE

40. The DEIS should discuss alternative sites within PMRF for the STARS program, so that further desecration of Hawaiian burials and other culturally significant sites are avoided.
41. The DEIS does not discuss land ownership of the proposed STARS site or of the PMRF in general.

42. The DEIS should contain maps depicting existing land ownership, lease agreements, county zoning, and important cultural and recreational sites, in relation to the proposed action.

43. The DEIS does not discuss the impacts of the proposed action on: (1) native Hawaiian fishing and gathering rights; (2) subsistence life styles, which depend on the resources at Mana; (3) 'ohana (extended family) networking and sharing of resources; and (4) the future settlement of Hawaiian Homelands at Keikaha.

44. How much additional water (potable and brackish) will be required by the proposed action? Who is currently using these resources, and how will the proposed action affect existing and future users in terms of water quantity and quality? This information is necessary to assess the program's impacts on existing and future water users, including Hawaiian homesteaders.

- Thank you for the opportunity to comment on the Draft Environmental Impact Statement for the proposed Strategic Target System. If the Hawaii Audubon Society can be of any assistance, please do not hesitate to call me.

Respectfully,
Margie Ziegler
 Margie Ziegler
 Board of Directors

WR327

CLIFFORD I. ARINAGA, A.L.C. • ESTHER K. ARINAGA
Attorneys at Law

P.O. Box 187, Kohala, Hawaii 96756 (808) 742-1002 Fax (808) 742-6949

April 13, 1992

Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSSD-EN-V (D. R. Gallien)
P. O. Box 1500
Huntsville, Alabama 35807-3801

RE: Written Comment on the Draft Environmental
Impact Statement For The
Strategic Target System dated February 1992

Dear Deputy Commander:

Submitted herewith are my comments on the Draft Environmental Impact Statement (DEIS). Please note that all references in parentheses denote page numbers in the DEIS unless otherwise stated.

INTRODUCTION

Federal actions that significantly affect the human environment require an EIS that addresses the following issues comprehensively and with fairness: 1) the objectivity of the EIS - i.e., does the affected agency so influence the shape, form, and content of the EIS that it becomes a mission-oriented statement? 2) the consideration of alternatives - i.e., Are the alternatives fully explored and discussed? 3) sufficiency of evidence - i.e., Are inferences and conclusions fully supported and documented by data? 4) omission - e.g., Are "worst case" scenarios and other negative information excluded, thereby limiting full disclosure? 5) a proper statement of economic matters - i.e., Are economic benefits correctly quantified and balanced against possible environmental costs? and 6) conflict of interest - i.e., Is the party that determines the adequacy of the EIS the same party that

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prepared the EIS?

The most disturbing element of the DEIS is the imprint of a mission-oriented agency that pervades the DEIS, as evidenced by the following: 1) conclusory statements are made without sufficient data to justify such statements; 2) disclosure is limited so as not to highlight worst case scenarios; and 3) alternatives are not fully explored under the pretense of meeting time constraints imposed by the Missile Defense Act of 1991.

People may differ as to the wisdom of spending so much money and effort on the SDI program. But if the SDI program is to be a burden on taxpayers, that burden should not be one that results in bitterness because of waste or haste. There are already these rumblings of rage. Most importantly, the people of Kauai should have been provided an easily understandable DEIS, one that discloses the full range of possibilities on worst case scenarios together with the asserted benefits. This is lacking in the DEIS.

Inherent Conflict of Interest

There is an inherent conflict of interest when the same agency, either directly or indirectly, both directs the shape and form of the EIS and decides the adequacy of the EIS. The unavoidable tendency and result would be for the EIS to lack objectivity and instead to resemble a mission-oriented statement. Embellishing favorable information and dismissing or not disclosing negative information would become persistent temptations. Conclusory statements without adequate supporting data would result. Because of this inherent conflict of interest, no matter

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how clean the hands of the decision-maker may be, there will always be a taint.

The kinds of conflicts described above pervade the DEIS under review. In section 1.3.1 (1-5), the DEIS states that the Director of Strategic Defense Initiative Organization (SDIO), Henry Cooper, agreed to the preparation of an EIS because of the concerns of the public. In truth Mr. Cooper and his office resisted the preparation of an EIS. It should be pointed out that actually it was the Congress that appropriated funds for the EIS and mandated the SDIO to prepare an EIS.

Kauai residents have been informed by Mr. D. R. Gallien that Mr. Cooper's office will be the ultimate decision-maker regarding the adequacy of the EIS. His office should not have the final authority to determine whether the proposed launches will have any significant impact on Kauai. The adequacy of the EIS should be determined by an independent third party.

The Waste of Haste

The deployment of some kind of ground-based anti-ballistic missile program at a base by the year 1996 or as soon as technology permits is the mandate of the Missile Defense Act of 1991. Deadlines often spur activity. But activity made in haste can lead to waste in monies and effort, especially when short-cuts are taken. The DEIS reflects this kind of "rush to judgment" approach in its failure to consider all alternatives in a thorough and careful manner.

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Incorporation By Reference

In section 1.3.2 (1-5) of the DEIS, certain documents are incorporated by reference. This is an objectionable practice. If incorporated by reference, these documents should have been attached to the DEIS. Comments should then be permitted on these documents. Incorporation by reference leads to an over-load of information that is not relevant to the DEIS. This practice should not be allowed.

Alternatives

Chapter 2 of the DEIS starts out with the summary statement that "operational, safety, and treaty considerations" left only the proposed action and the "no action alternative" as appropriate for discussion in the DEIS. The alternatives were eliminated from further consideration without being fully explored and discussed. Instead, of the cursory treatment given them, the alternatives should have received full consideration. Such brief mention in section 2.3 (2-34) of the alternatives and quick dismissal of these alternatives should not be acceptable. Is it not the purpose of the SDI program to test defense systems against intercontinental ballistic missiles? Or is its purpose to rush to utilize the budgeted amounts under the Missile Defense Act of 1991? If it is the latter, a great waste of energy and taxpayers' monies would occur because testing would take place under less than ideal conditions.

The DEIS developed certain criteria against which the various alternatives were evaluated. These criteria (2-36) must be closely

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scrutinized because their wording would tend to narrow the choice to the alternative desired. Through the selection of criteria a mission-minded team can often eliminate certain alternatives. Thus, a review in the DEIS of some of these criteria would be appropriate.

First: Scheduling to meet the time set for the deployment of anti-ballistic missiles should not be a criterion in the DEIS. The stated objective of developing "for deployment a limited ballistic missile defense system by FY 96 or by the earliest date allowed by the availability of appropriate technology" (2-36) is an admission of the SDI objective. Concern with scheduling, however, should not be used to outweigh environmental concerns since the Missile Defense Act of 1991 also talks of "the earliest date allowed by the availability of appropriate technology." (2-36). Technological advancement can be attained without environmental despoliation. Therefore, whether the use of a site would satisfy all environmental concerns should override any consideration based upon meeting a 1996 deadline.

Second: The START Treaty is ripe for amendments. Such amendments could be structured to provide the ideal conditions for testing. Intercontinental ballistic missiles as well as multiple test objects from these missiles would provide the ideal vehicle for testing under the SDI program. Minuteman I and II rockets are scheduled for discontinuance from the weapons system. These ICBM's could be launched from either Vandenberg Air Force Base or Alaska's Poker Flat Research Range. Not only would the SDI program be

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testing the very type of long range missiles for which the testing is designed, but the infrastructure and rockets are already available. Therefore, the alternative of treaty modification should be explored and discussed in the DEIS. If the SDI program is aimed at testing ICBM targets, then ICBMs should be tested and not intermediate range missiles. Using the criterion of scheduling and cost limitations (the sixth criterion) only provides an excuse to force a conclusion that "the Strategic Target System vehicle launched from the Kauai Testing Facility (KTF) is the only reasonable option." Is it not because the "rush" is on to spend appropriations that the "forced" option becomes "the only reasonable" option?

Boosters

At page 2-9 of the DEIS, in the discussion of refurbished booster reliability, much more data need to be provided to substantiate the conclusory statements made. For example, a full discussion of the characteristics that are typical of aging solid propellant boosters would be useful. Some negative information is being glossed over by statements such as, "the refurbishment process for each booster is specifically designed to meet original Polaris A-3 flight specifications in the areas of performance, safety, and reliability." Non-disclosure suggests an attempt at cover-up and is certainly unacceptable in an EIS.

First-Stage Booster Reliability (2-9). These are 27 year old boosters refurbished for the SDI program. At minimum, scientific testing should be done by independent third parties and inspected

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by independent third parties. Confirmation of safety should be required instead of a reliance upon in-house statements of reliability. Since room for disaster by human error is great, past record of unreliability should also be presented. In the DEIS only affirmative conclusory statements are being made.

Second Stage Booster Reliability (2-10). These are 26 year old boosters refurbished for the SDI program. The DEIS contains an admission that "some older Polaris A-3 second-stage boosters have experienced failures caused by forward dome burn-throughs," yet fails to provide detailed statistics of failures. Testing results of refurbished booster must be presented. The absence of such test results in the DEIS leaves the reviewer with an uncomfortable distrust of such conclusory statements as the following: "The Strategic Target System second-stage booster refurbishment and static test program has adequately addressed the technical issues that caused concern about using aged boosters. Static firing and subsequent dissection has not only demonstrated the validity of the refurbishment process by meeting all test objectives and success criteris, but it has also shown that the boosters meet the original performance specifications."

Flight Termination

Strategic Target System Vehicle Flight Safety (2-16). The discussion of flight termination over certain circumscribed pathways does not provide comfort. What would happen if a missile went outside its narrowly designed pathway? Under those circumstances all of Kauai would be exposed to the dangers of an

abort order due to a failure in the guidance system. Therefore, it would be an appropriate procedure for the logs of the Missile Safety Officer to be made available for review by an outside inspector.

At page 2-16 of the DEIS, the depressurization of booster cases and the directional hole cuts in the liquid fuel tank in the event of an early termination of flight are discussed. Test results, if any, should be presented as a malfunctioning destruct mechanism could cause dangerous gases and liquid fuels to be dispersed over life and property.

The launch hazard area described at page 2-18 et seq. is one-directional. In the event of a misquided flight, the launch hazard area could easily be expanded to cover the islands of Kauai, Nihiaw, and other islands in the Hawaiian chain. To designate the launch hazard area in the one-directional manner shown is probably adequate, as long as there is no malfunctioning of the guidance system. How did the Pacific Missile Test Center (PMTC) at Point Mugu, California arrive at its designation of the launch hazard area as described in the DEIS? A thorough explanation of the factors PMTC used in defining the launch hazard area should be presented.

The ground hazard area described at page 2-18 et seq. is arbitrarily set. A 10,000 foot maximum arc is used (Fig. 2-13 DEIS). The simulation program used to compute the dispersion of debris from a point of early termination must have assumed only one point of early termination. No data is presented as to alternative

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points of early termination so that the conclusion as to the size of the ground hazard area is unsupported. The conclusion that "the risk to the public from the falling debris of a flight that has been terminated is extremely remote" is not substantiated by data.

Even if the ground hazard area is as circumscribed in Figure 1-13, both Polihale Park and the State of Hawaii lands are being exposed to danger and deprived of their maximum use potential. The residents of the state of Hawaii would be denied use of Polihale Park every time a launch is planned. The State of Hawaii would be denied access to its lands as well.

Deprivation of Ownership Rights and Incompatible Land Use

The use of PMRF for the launching of rockets of the size required for the SDI program constitutes a taking by the military of lands belonging to the residents of the State of Hawaii. PMRF is a long sliver of land without the land mass needed for the launching of SDI rockets. One need only look at Figure 2-13 to see the fallacy of using a narrow finger of land for the launching of intermediate range rockets. It may have been a different story when smaller rockets were fired. Intermediate range rockets call for vertical flights, more fuel, etc. The extension of the ground hazard area into Polihale Park and State of Hawaii lands causes neighboring landowners to lose the right to use and occupy their lands. This is an important issue for the residents of Kauai and must be addressed by SDIO and fully discussed in the EIS.

The importance of land ownership is also reflected in the necessity for the state of Hawaii to execute two documents: the

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Memorandum of Agreement (Appendix B) and the Grant of Easement (Appendix C). Both of these documents seem to be after-thoughts, the realization by SDIO that the launches intrude into the ownership rights of the State of Hawaii. Both of these documents have not been signed. It would be against the interest of the State of Hawaii to enter into these agreements. SDIO should realize that the launching of intermediate range rockets from a small finger of land, like that of PMRF, is inappropriate. The State of Hawaii, in its fiduciary role as title holder to certain ceded lands, would be remiss if it were to burden its lands with such an easement.

Flight Termination (2-25). No empirical data are presented that upon early termination of the first and second stages fragmentation would occur as stated in the DEIS. Besides missile dispersion, the explosive dispersion of dangerous hydrazine and other chemicals could cover a wide area of Kauai. Gregory Feeley aptly described it in the March 1992 issue of The Atlantic magazine in discussing the Challenger disaster:

...as the Challenger disaster showed a rocket, however complex its computerized regulatory systems, is essentially a space capsule sitting atop an enormous bomb, which is burned slowly rather than detonated all at once (42).

An explosion over the launch site would be highly destructive and significant to Kauai because of Kauai's small land area, fragile land and sea environment, and conflicting land ownership and land use claims adjoining the launch site.

The explosive consequences are not only possible but probable

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inasmuch as ground zero to pitch maneuver does not occur for at least 2.18 seconds of vertical flight. (See 2-25). This is the moment of greatest danger to Kauai from a bomb-like explosion. What that explosive force would be is a function of flight time. The first stage is stated to weigh 24,300 pounds at lift-off. (See Appendix D). In view of this kind of danger that is present at the first stage, scientific and empirical data of safety precautions at this stage are profoundly lacking.

Flight Trajectory (2-25). There are instances of guidance systems going awry. According to the DEIS, it will take 15 seconds of flight time for the flight vehicle to clear Kauai. This means that during a period of approximately 12 to 13 seconds a guidance system error can occur, assuming that no other guidance error occurred during the two to three seconds of vertical ascent. This is another point of extreme danger since either Kauai or Niihau could be exposed to the ruinous effects of early termination. A comprehensive EIS would include data of other early terminations.

Payload Flight (2-26). The release of dangerous hydrazine is for experimental purposes. As such, what empirical data there are have to come from other studies. The U. S. Air Force has conducted similar experiments. Why are these results not summarized in the present DEIS?

Modifications To The Proposed Action

Modifications to the Proposed Action To Reduce Environmental Impacts (2-29 et seq.). Without third party continuous monitoring and reporting, the actions to address public concerns are easily

buried in a bureaucracy. This is especially so because of two reasons: first, many of the statements made in this DEIS are predictive and the actual must be compared with the predictive; second, the proposed launchings are continuous for over a 10 year period. Therefore, independent third party inspections and monitoring by trained people reporting to the public should be provided and paid for by the SPI program. The DEIS makes no provisions for continuous monitoring and inspections.

Not all of the environmental concerns of the public have been addressed. The modifications outlined in the DEIS are inadequate because they cannot rectify what are essentially inconsistent uses of land. The launching of rockets under the SPI program from PMRF highlights the incompatibility of intermediate range rocket launches with land use and land ownership rights of neighboring land owners.

One need only look at Figure 2-16 on page 2-30 of the DEIS to get the flavor of this incompatibility. Dangerous hydrazines and nitrogen tetroxide are but yards away from non-PMRF property. Are such dangerous chemicals as well as noise and blast activities compatible with adjoining agricultural use, recreational activities, and residential use by Hawaiians under the Hawaiian Homes program as well as by other residents?

The transportation of hydrazines and nitrogen-tetroxide to the PMRF is given only superficial attention in the DEIS. More data should be presented of the danger to life and property in the event of accidents and the proposed action to address the damage

resulting from accidents. This section displays either an unconcern with the dangers of accidents or else a desire not to discuss this matter fully (2-34).

Affected Environment

The affected environment is described in Chapter 3 of the DEIS. Areas of concern are identified as geology and soils, water resources, air quality, biological resources, cultural resources, noise, hazardous materials and waste, public health and safety, infrastructure, and socioeconomics. Only certain of these areas of concern will receive comments.

In the section on land use (3-6), the region of influence is defined to include KTF/PMRF, Polihale State Park, and the coastline to the Waimea River. Not included are the areas adjacent to PMRF - lands held by the State of Hawaii under the Department of Land and Natural Resources and the Hawaiian Home lands east of PMRF. The region of influence for land use purposes, at minimum, should be expanded to include these lands adjoining the PMRF. The proposed launches represent a significant increase in the use of PMRF. Such increased use will affect not only Polihale State Park and the coastline to the Waimea River, but also the State of Hawaii lands and the Hawaiian Home lands.

The inclusion of the above lands in the region of influence provides a better picture of the conflict of land uses within this newly defined region of influence. The State of Hawaii lands, for example, are presently leased to Kekaha Sugar. The lease expires on December 31, 1993, and the lands could possibly be converted to

other agricultural and residential uses. Similarly, the Hawaiian Homes land approximately three miles away from PMRF could be settled with farmers and ranchers. The launching of intermediate range rockets under the SDI program is incompatible with agricultural, ranching, residential and recreational uses within the properly defined region of influence.

At page 3-35, the DEIS states that PMRF operates on lands set aside under two Territory of Hawaii executive orders. The DEIS continues with the statement that "public access to the shore be permitted for fishing. However, PMRF is allowed to deny access to the shore under the executive order during hours of hazardous operations." (emphasis added). The DEIS then describes how PMRF divides its coastline into three recreational areas (See Figure 3-9, 3-37) and sets hours for their use and restricts access whenever "hazardous operations" are being conducted (3-35). What do these executive orders really say?

The executive orders read, in pertinent part, as follows:

The land herein described is set aside upon the understanding that access to the shore for the purpose of fishing will be denied only on the same used for bombing and that only while the same is actually in progress or about to commence. (emphasis added).

How should the underscored language be interpreted?

First: the language of the executive orders is stated in the affirmative as to "access to the shore for the purpose of fishing."

The only exception to this affirmative reservation of right of access to the shore is the denial of access to the shore "only on

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the portion used for bombing and that only while same is actually in progress or about to commence." PMRF, by setting hours of use for the different recreation areas, is denying access to the shore even while there is no bombing or, for that matter, while there is no "hazardous operation."

This is contrary to the wording of the executive orders.
While there is no bombing, any barrier to access to the shore, whether it be physical, temporal, or otherwise, is contrary to the wording of the executive orders.

Second: the denial of access to the shore can be imposed when "bombing" is in progress or about to commence. The DEIS uses the term "hazardous operations" as justification for the denial of access to the shore. Of course, no one would suggest that safety should not be a concern. PMRF is using the term "hazardous operations" as justification for a denial of access to the shore.

This policy, used in conjunction with an already existing restriction on the hours of use of the recreational areas, effectively leaves little meaning to the term "access to the shore."

There is a danger in equating "hazardous operations" to "bombing." Most everyone can agree what a "bombing" is. Not everyone will agree on the definition of "hazardous operations."

By loosely construing the term "hazardous operations" the PMRF can deny access to the shore in a manner contrary to the terms of the executive orders. The right of access to the shore will erode as PMRF conducts more and more "hazardous operations" at the base.

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Table 3-5, on page 3-38 of the DEIS, shows the effect of PMRF's imposition of a permit system and the restriction on the hours of access, and the denial of access during "hazardous operations." Undoubtedly, many more residents would seek access to the shore if these restrictions were not in place.

Aesthetics

DEIS limits its discussion of aesthetic impact to the visual impact of the launch pad. Other aesthetic concerns such as noise, the fear of a serious accident, and the misuse of land and natural resources have been overlooked in the DEIS.

The DEIS fails to consider the impact of noise upon future residences on the adjacent State of Hawaii lands and on Hawaiian Homes lands. The launching of intermediate range rockets at PMRF would cast an unmistakable blight upon these neighboring lands. Safe levels of noise under U. S. Army Regulation AR 200-1 are not the same as desirable levels of noise for farming, ranching, and residential use.

Region of Influence For Public Health and Safety

The region of influence for public health and safety concerns is defined in Section 3.10 (3-44). The areas that could be affected must be enlarged inasmuch as errors in the launch operations could affect areas outside the launch hazard zones.

In discussing the First-Stage Booster (4-48), the DEIS asserts that migration of nitropolymer into the insulation could cause insulation and booster case burn late in the first stage burn. "Such an event would cause the booster to lose forward thrust and

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possibly veer off course." (4-48). There is no discussion of the possibility of the rocket veering off course early in the first stage when the rocket is over the island of Kauai. In fact, there are no data presented that this will not happen.

In a similar vein, conclusory statements are once again made about case insulation separation problems and the failure of hydroburst and static firing tests to test the aging of the boosters. Details of the various tests, if available, should have been presented.

The greatest concern in the discussion on pages 4-50 and 4-51, is the statement, "In the unlikely event that the first stage is terminated, it is still improbable that the second stage would detonate. The second stage would be susceptible to detonation only if the booster were broken up into fragments that hit a very hard object while flying, or hit a hard and heavy object on the ground."

Probabilities are discussed in theoretical terms. Assurances based upon study and data derived therefrom should be presented inasmuch as early termination of the first stage could detonate the second stage over Kauai. This could be a major disaster. Therefore, thorough testing and more data need to be presented in the EIS.

Similarly, the statement, "It is also unlikely that either a command destruct, using the flexible linear-shaped charge of the flight termination system, or a secondary detonation, resulting from the rupturing of the liquid propellant fuel tanks, would cause a detonation of the second-stage propellant." (4-51) is also conclusory. The fact that "no Polaris second-stage booster has

ever detonated directly as a result of case rupture or use of shaped charge" is not sufficient. A full range of knowledge in this area should be presented.

There are two occurrences that could definitely constitute a significant impact to the human environment - the rocket flying off course or an explosion occurring. Two considerations are used in analyzing the booster debris pattern of an explosion: 1) the speed and trajectory of the booster; and 2) the amount of time the Range Safety Officer has to detect a problem and to take action to terminate the flight. (4-52). Three scenarios are then considered (4-52 and 4-53). Termination at any stage would be undesirable. However, it is Scenario Two, "Early flight Termination After Lift-Off" and Scenario Three, "Pitch Back over the Island" that bear commenting.

Scenario Two. The ground hazard area is shown on Figure 2-13 (2-23). If we use the ground hazard area defined in the DEIS, the debris pattern under a controlled and prescribed termination would nonetheless intrude over a portion of Polihale State Park and the State of Hawaii lands. See both Figure 2-13 (2-23) and Figure 4-5 (4-54). The Range Safety Officer uses a 3.5 second reaction time to detect a malfunction and to terminate the flight. (4-53). Besides a reaction time prolongation, there could be a failure of the termination device. Should this occur, what would be the consequences? Could not the rockets return back to Kauai? This problem of a failure to pitch and the failure to trigger termination needs to be explored and fully discussed with data to

support various possibilities.

Scenario Three. In this scenario a pitch of 20° from horizontal is hypothesized, and the statement is made that vehicle flight could be terminated up to 15.1 seconds into flight and still provide a debris pattern within the ground hazard area. In both scenarios Two and Three the damage to surrounding lands would not be acceptable even within the prescribed ground hazard area. But with the potential for a larger hazard area the damage may be so great that the project proposal may have to be scrubbed. In Scenario Three what would be the consequence of different degrees of pitches and the failure of the destruct device? Again, the rocket could return back to Kauai or some other island in the Hawaiian chain. The problem of a pitch in the wrong direction, particularly back over the island, and of the failure of the destruct mechanism to trigger termination needs to be explored and discussed in full with data to support various possibilities.

All three of the scenarios mentioned in the DEIS (4-52 and 4-53) lack supporting data. A confident statement is made that "if a flight is terminated, the effects will be confined and will not affect any populated areas of Kauai or Niinaiu." (4-53). How can this statement be made with such assurance when, almost in the same breath, a subsequent statement is made that there is an over all system reliability of 97%. In other words, not only is there a probability of at least one early termination occurring, there is the probability of other scenarios happening, other than those stated in the DEIS. The consequences from these scenarios could

support various possibilities.

be devastating for Kauai and for the State of Hawaii. Why are these worst case scenarios not mentioned in the DEIS? Uncertain and unknown impacts need to be explored thoroughly in an EIS. Full disclosure requires the discussion of all eventualities. Instead of such a thorough discussion, only confident and glowing conclusory statements are made in the DEIS.

Transportation of liquid hydrazine and nitrogen tetroxide (4-58 through 60) under certain circumstances will be by an overland route from Port Allen to PMRF via Route 50. Safeguards on Route 50 are not adequately covered in the DEIS. Specific steps to protect the public from accidents, leaks, and spills need to be spelled out. Even with safeguards established, there will still be grave reservation about the use of Route 50, for Route 50 is the one and only roadway between Port Allen and Kekaha.

The effect upon lands adjacent to PMRF caused by propellant spills adds another dimension to the issue of incompatibility of intermediate range rocket launches from PMRF and the use of lands neighboring PMRF. Propellant spills add to the risks of further blight on the value of the neighboring lands. See, for example, Figure 4-10 (DEIS 4-69).

Socioeconomics

The discussion of socioeconomics under Section 3.12 (3-48-52) and Section 4.12 (4-73 and 4-74) needs modification. The space devoted to PMRF's employment activity is disproportionate to the space devoted to that of other employers on Kauai. The importance of PMRF's contribution to the economic life of Kauai is overstated

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and suggests that without the SDI launches, PMRF will close down. In fact, outright statements to that effect have been circulated in the community by proponents of SDI. The contribution to the economy of Kauai that the SDI launches would have, not the contribution that PMRF has had prior to the SDI launches, is the issue at hand.

Several questionable items exist in Section 4.12.1 (4-73) . The DEIS states that "Given personnel expenditure profiles, four launches a year could generate up to \$0.9 million annually in additional spending in the surrounding communities." This figure appears over-inflated, but without economic analysis, it is difficult to make any comment. The DEIS requires a more detailed economic analysis instead of the lengthy write up on PMRF.

Similarly, a survey should have been conducted on the effect on tourism should an accident occur during an SDI test launch.

Comprehensive data should have been presented on this very important question instead of just a parenthetical conclusive statement that the Challenger disaster had no effect on tourism in Florida.

CONCLUSION

The DEIS fails to meet the standards of an objective and properly documented environmental impact statement. Until the issues are properly addressed, no launches should be allowed.

Respectfully submitted,

Clifford I. Arinaga
Clifford I. Arinaga

WR328

TOM NORRIS
P.O. Box 628
Ketaha, HI
96752

STATEMENT PREPARED FOR THE STS HEARING ON THE DRAFT EIS

My name is Tom Norris and I am a researcher affiliated with Moss Landing Marine Laboratories in California. For the last two years I have been studying humpback whales off the southwest coast of Kauai, including the waters off PMRF. This study is part of a four year effort initiated by Sal Cerchio, a research associate also from Moss Landing Marine Laboratories. Our research is the only work of its kind which has been performed on the island of Kauai investigating humpback whales. Although data from this project has yet to be fully analyzed, I feel that it is important to present some of it here, as it is some of the only data for the waters directly off PMRF/KTF.

I have reviewed the draft EIS and am concerned that there are some serious deficiencies regarding potential impacts on the federally protected and endangered humpback whale.

My specific concerns are as follows:

Section 3.4.3 - a summary of relevant humpback whale information.

-The first paragraph presents outdated information about concentrations of whales in the Hawaiian islands from an aerial survey study performed from 1977 to 1979 by Baker and Herman(1981) from the University of Hawaii.

-It states "they recorded 41 whales in 1977, 40 whales in 1978 and 133 whales in 1979."

-These data are grossly misrepresented because the figures represent absolute counts from the survey. These raw data were never intended to be used directly to represent population sizes of humpback whales. They were obviously intended for the purpose of comparing relative concentrations of whales among different areas in the Hawaiian islands.

In the third paragraph of the same section(3.4.3.2), the draft EIS again inaccurately presents information about concentrations of humpback whales, stating:

"They (humpback whales) concentrate in the four island area (Maui, Molokai, Lanai, Kahoolawe), Penguin Bank, Niihau, and northwest Hawaii."

First, it is unclear whether "northwest Hawaii" refers to the NW Hawaiian Island chain (atolls) or the island of Kauai.

Second, recent studies conducted for the National Marine Fisheries Service have shown a dramatic shift in the distribution of humpback whales (Mobley and Bauer, 1991).

A thorough review of humpback whales should have included a recent paper presented by Dr. Joe Mobley (Univ. of Hawaii-West) and Dr. Gordon Bauer last December at the 9th Biennial Conference of the Society of Marine Mammology.

This study replicated the methods used in the '77-'79 aerial study by the U. of Hawaii to count whales, so that any changes in the relative number of whales using different areas could be easily compared.

More importantly, Mobley's study began in 1990 (well before the completion of the Draft EIS report) and will continue through this year. It therefore presents data from only 2 years ago as opposed to data which is over 12 yrs old.

Results of Mobley and Bauer's Study:

Mobley found that the Kauai-Niihau area, including the area directly off PMRF and Nohili dune, had among the highest whale concentration of any area in the Hawaiian island. In fact it ranked second out of five areas examined, with regards to number of whales sighted per hour (a measure of whale density.)

Furthermore, the Kauai/Niihau region showed a 200% increase from the '77-'79 study by the U of H.

Preliminary data from the '91 and ongoing '92 aerial surveys support these findings.

Results from our study (Cerchio 1991&1992, unpub. data)

-Raw data from the last two years ('91 & '92) of our study support the recent aerial survey results.

-These data indicate that 388 out of a total of 644 humpback whale sightings (greater than half) were located between Nohili dune and Kokole point, east of PMRF. This is significant because less than half of our survey effort and less than one quarter of the area we survey encompasses this region.

The Navy proposes mitigation with respect to humpback whales. I would like to comment the ARMY on their proposal for mitigation measures. As Section 4.4.4.3 states:

"Prior to launch, the US Navy will survey the first stage impact areas and the launch safety zone. Any whale or sensitive species observed in this area will cause the launch to be delayed."

Figure 2-12 of the draft EIS shows the safety zone extends approximately 3 nautical miles from the shoreline of KTF.

-It is apparent when examining Fig. 3 of Mobley and Bauer's study(1991), this region coincides with the area of highest concentration of humpback whales off Kauai.

-The results of the aforementioned studies and my personal observations strongly suggest that concentrations of whales are so high that it would make it unlikely not to sight whales in the established safety zone during the wintering period for humpback whales (Dec. - April.)

-This would therefore preclude any launch of missiles during this period.

I am concerned that the U.S. ARMY S.D.C. could circumvent this problem by using unqualified personnel to sight whales. As section 4.4.4.3 states:

"Prior to the launch, the U.S. Navy will survey the first stage booster impact areas and the launch safety zone."

Therefore, I strongly urge that the ARMY uses experienced observers to survey whales and other marine mammals. The National Fisheries Service and the U. of Hawaii have access to many qualified personnel with necessary qualifications and experience.

Additionally, I would like to propose that the ARMY use PMRFS and the NAVY's excellent acoustic monitoring equipment already deployed in the region to verify if whales are in the area. Our research indicates that wintering humpback whales sing almost continuously throughout the breeding season. Whale songs in the area would indicate presence of whales which may not be detectable from surface observations.

Another inadequacy of the draft EIS is the lack of any mention of potential effects on humpback whale mother/calf pairs. Recent research has demonstrated that mother/calf pairs are especially susceptible to human-related disturbance (Glockner-Ferrari, 1991). Since it is also well known that mother/calf pairs prefer very near-

shore, shallow water; usually less than 10 fathoms, it would seem very likely that disturbance related to STS could negatively impact whales. Such impacts include effects from boat activity related to clearing the nearby safety zone and transport of fuels and related chemicals via boat and/or landing craft.

Furthermore, no mention of increases in boat traffic affiliated either directly or indirectly with the launch is mentioned in the draft EIS. This also has the potential to have an impact on humpback whales especially when considering that, as with all whales and dolphins, their primary sensory mode is acoustic.

Finally, as a marine biologist I am concerned about impacts to other marine mammals which we know rely heavily on the area around KTF/PMRF. Bottlenosed dolphins, spinner-dolphins and spotted dolphins all of which are protected under the Marine Mammal Protection Act, are frequently sighted in the area.

Considering the inadequacies and misrepresentations in the draft EIS I support the no-action alternative and propose that no further misses be fired from PMRF or KTF until the issues are properly addressed.

Signed

Tom F. Norris

Literature Cited

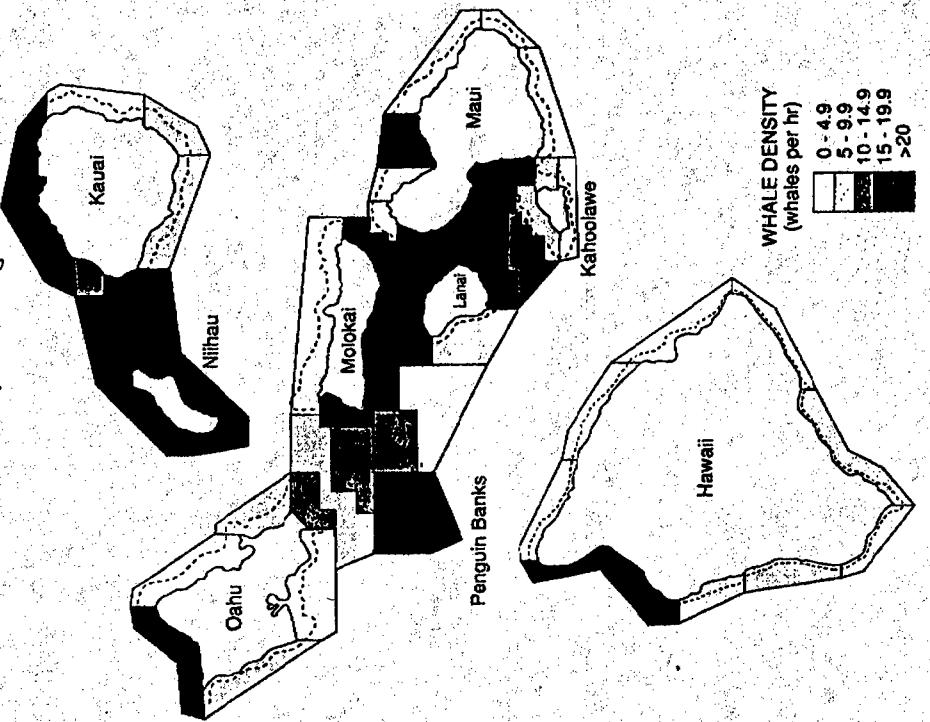
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- Forrestell & Mobley 1991. 1991 Aerial survey of humpback whales on Hawaiian wintering grounds. Annual Report to N.M.F.S.
- Mobley, Jr., J.R. and Bauer, G. B. 1991. Changes in distribution of humpback whales on the Hawaiian wintering grounds: 1990 aerial survey results. Paper presented at the Ninth Biennial Conference on the Biology of Marine Mammals, Dec. 5-9, 1991, Chicago, IL.

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7

WR328 (cont.)

1990 SURVEY RESULTS (From Madsen & Bowles 1991)



CHANGE IN WHALE DENSITY (1990 Rate -- 1977-80 Rate) (From Madsen & Bowles 1991)

WR328 (cont.)

CHANGE IN WHALE DENSITY (90 rate minus 77-80 rate)

-10 - 0	0.1 - 10
-20 - -10.1	10.1 - 20
-30 - -20.1	20.1 - 30
< -30	> 30

WR328 (cont.)

WR329

April 20, 1992

Lt. Gen. Robert D. Hammond, USA
Commander, U.S. Army Strategic Defense Command
P.O. Box 15280
Arlington, Virginia 22215

Dear General Hammond:

The following comments have been sent to me with respect to the Strategic Target System (STARS) program and the STARS Environmental Impact Statement (EIS). I am forwarding these comments to you because I think it is important that the Department of Defense (DoD) have the broadest understanding of the feelings of the citizens of the state of Hawaii on these matters. I also would appreciate it greatly if the Army would consider and address, as part of the "public comment" process, those statements which raise specific concerns regarding the Draft EIS. Please keep me informed about your specific responses to these statements.

Thank you for your attention to these important matters.

Sincerely,

Daniel K. Inouye
Chairman
Senate Appropriations
Subcommittee on Defense

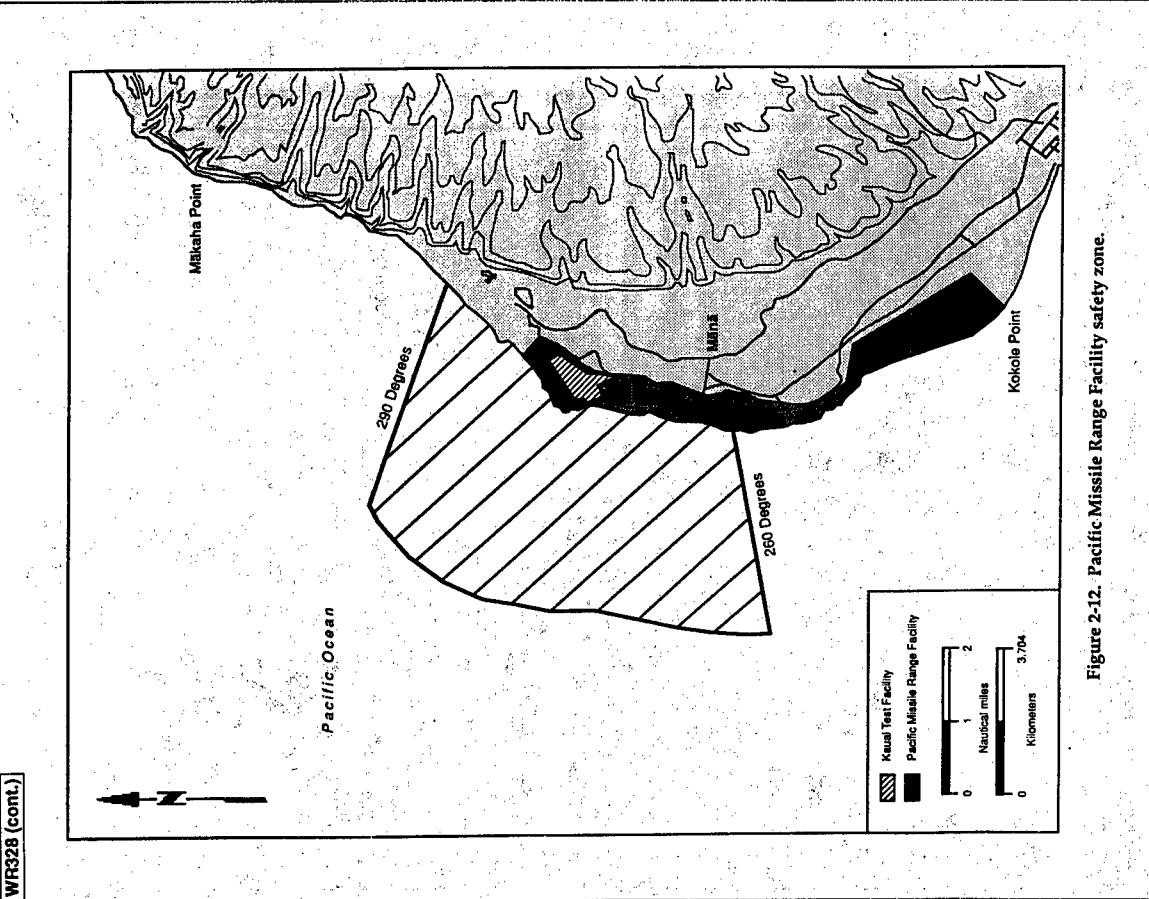


Figure 2-12. Pacific Missile Range Facility safety zone.

WR328 (cont.)

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACT IN THE
KWAJALEIN ATOLL

Pg 1 thru 3

To:

Daniel K. Inouye, Senator
U.S. Senate
Washington, D.C. 20510

4/4/92

Dear Senator Inouye,

I have been a resident of Hawaii for almost nine years. I live on the Island of Kauai and I'm against the installation of the "Star War" program on this Island.

I feel that there are too many dangers including the transportation of dangerous chemicals on our roads, the controlling of detonation or depletion of the ozone layer because of the boron (114B2) being released in our atmosphere by the missile launches and most of all because of the continued use of the Marshall Island as the target area. It's heartbreaking to know that the Marshall people have been forcefully taken from their homeland and herded like sheep into a small confined area the size of Ala Moana Shopping Center.

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2

3

I was glad in front incoming missile. Also the Hawaiian land in that area - (at the missile launch pad site) is the Noheli area - the most sacred spot on Kauai to native Hawaiians. This area should not be disturbed.

The ETS study is based and very inconclusive "to say the least". The ETS states that there was "no significant impact..." to geology and soil, water resources, air quality, biological resources, cultural resources, land use, natural resources, noise, hazardous materials and waste, public health & safety, infrastructure & socio-economics (table 2-2, pp 2-39-40). Yet, after stating this, there were no quantitative figures to back up these statements!

I had the opportunity to be at the first meeting on Tuesday night. I stayed from 6:30 PM to 11:30 AM which was the time that the meeting started and finished. A lot of people got up and spoke and I heard that a lot of "old people" (old shirts) were military personnel. I want you to know that I'm not anti-military. Since I was in the Marine Corps for four years during the Viet Nam Era. I feel, however, that the military personnel had no business being at these meetings. Military personnel are "dumb" or "unintelligent" or "ignorant" of the government.

Many residents of Kauai view against the Star War program. The residents of the Island of Kauai and not the transient "brought up and for" military personnel should decide this issue. The civilians who live here are the ones who have a stake in this land. They are residents of this state and deserve to be the only ones who decide this issue.

Senator Inouye, you must fight for the safety and welfare of this land and its people. I beg of you to fight this thing and not let the Government make Kauai a missile launching facility and dumping ground or site for hydrogen, nitrogen, terade and other hazardous rocket fuel. This Island of Kauai is a rare, lush precious National Treasure. Kauai is a rare, lush tropical garden, one of the last remaining rain forests and it would be sacrilegious to use this tropical garden as a launching pad for anticipated and dangerous solar missiles.

Thankyou, Senator Inouye, for readying the letter. I have also enclosed some interesting information from reputable source concerning major parts of the Star War Program.

Respectfully,
Luis A. Beccia Jr.
P.O. Box 1705
Hilo, HI 96720

WR330 (cont.)

Whistleblower Wins Study of 'Star Wars' Program

By JOHN H. CUSHMAN JR.

Spectacles The New York Times

looking into Mr. Saenger's assertions that the military needlessly bought millions of dollars of duplicative equipment from contractors only to literally throw away many reports. Inflated Claims Asserted.

And Mr. Sander contended that a "Star Wars" director in the Reagan Administration, Lieut. Gen. James Abrahamson, and other officials informed him that the property initiated claims of the efficacy of a "Star Wars" program to build Congressional support for it. The program is a system of space-based interceptors, the Brilliant Pebbles program, favored by conservatives who want quick deployment of a missile defense system.

A Congressman wants a delay in the dismissal of a scientist system.

Pentagon officials today declined to comment on these assessments while the matter is under investigation. The special counsel cannot itself overturn Mr. Seaborg's dismissal or otherwise adjudicate the dispute, between him and the Pentagon, said Carl Blades, a spokesman for the

Today, Representative Conyers urged Defense Secretary Dick Cheney to suspend Mr. Saucier's dismissal until all the reviews are finished. "It would be a travesty to fire someone

before investigating his disclosures," Mr. Conyers wrote.

Mr. Saucier has asserted that for several years, the "Star Wars" program office and its contractors repeatedly made false or misleading statements to Congress, spent money unproductively and engaged in wasteful and

conduct tests of some "Star Wars" system," he said. The program, repeatedly emphasized, will utilize millions of dollars in research funds from one program to another, thus emphasizing projects that were less favored by its leaders. In practice, he said, it was informally known in the Star Wars office as "using tax's dollars to pay for favored research." (Whether this is illegal, according to one source, is not necessarily clear.) Senator Conyers said it has been done in a way that "improperly diminished Congress' committee about how money is being spent."

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flantes or project record of Maxx.
Somach 11;

Maybe this missile was jinxed.
In January the Air Force tried to launch a Minuteman 1
from Vandenberg Air Force Base to support a Strategic
Defense Initiative test.

The Minuteman, a supersonic missile that was retired in 1974, was shipped to a troubleshooting facility at Hill Air Force Base, Utah, where the Air Force spent two months and \$150,000 to pinpoint the blame and replace the suspect parts.

On Friday, the Minuteman was back in its north Vandenberg launch facility and officials again counted down to zero. This time, the missile responded with a vengeance.

spitting out flames and issuing a loud roar that echoed through the small valley below.

卷之三

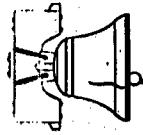
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Friday's launch "really went off without a hitch," said James Katchis, manager of the Ground Based Interceptor program. Katchis said the interceptor worked properly and would have homed in on its target if crew members had descended the test correctly.

Katechis admitted that the test failure may add further damage to the SDI program's image just as the Bush administration is asking Congress to increase SDI funding 7 percent to \$5.4 billion. But Katechis argued that the test

Associated Press reporters that he'd like at least one additional flight test to prove that the test, which should be viewed as a partial success, "I think it was not a major failure, but obviously there's proof of the pudding is an intercept," he said.

Responsible Citizens for Responsible Government



SDI: LINGERING DANGER: 20 billion dollars spent on SDI with little or nothing to show for it. It's time to bring the program to an end. The Army is currently testing a missile defense system on the island of Kauai. They are [REDACTED]

[REDACTED] that there will be more than 1000 tests over the next 15 years and one test every day. Just what does the Army have waiting in their wings for Kauai?

EMOTIONAL AND PSYCHOLOGICAL IMPACT: What will the emotional and psychological impacts be to citizens on Kauai as they realize that Kauai has become a primary strategic target? If there is a catastrophic launch? If military escalation continues?

CULTURAL HERITAGE: The launch pad sits on Nohili Dune - the most sacred spot on Kauai to native Hawaiians. As Nanette Slaven Kaumoeana pointed out in a letter to the Gardian Island: "It does not matter how many bones are found buried in Nohili dunes. What matters is that burials did occur there because it is the one point on all of Kauai considered the pathway to Eternal Life." The Army has responded that "through established procedures they will reduce the risk that may occur to cultural resources." Depending on who you are speaking with, those 'Cultural Resources' may be your great-great grandparents. But haven't they missed the point? Nohili dune is culturally significant. It is sacred land. How do you measure 'sacred'? Certainly not with the instruments the Army used to produce the E.I.S.

Responsible Citizens for Responsible Government, PO Box 1440, Hanapepe HI 96714
Phone - (808) 826-9005 FAX - (808) 826-7425

Washington, D.C. ACSIC-1103
4/15/95

Dear Senator Inouye,

I am writing to you today because of my strong feelings against having Strategic Target System launched on Kauai. The EIS does not adequately address my concerns for the people and the environment. A single facility, i.e. the Newell Shearwaters, the whales and the Adelias Tongue Terns, Nor does the EIS address my concern for the people on Kauai in Lagoon at all. Nor does this EIS adequately address what, if an accident occurs and off the negative impacts to us, here including the economic impact on the tourist industry. Plus this EIS was done by the Army.

Thank you for considering you can do to stop this project.

Sincerely,
Marylyn Kekaha
484 Kekaha Rd.
Lihue, HI 96766

WR332

WR333

Senator Daniel Inouye
722 Hart Senate Office Bldg.
Washington, D.C.

Daniel K. Inouye

April 7, 1992

Aloha Senator Onouye,

As a resident of Kauai, I am writing to you to express my opposition to the implementation of any SDI or "Star Wars" missile testing on this island. It is simply inappropriate to the character and ambience which this island represents in the hearts of people all over the world: beauty, harmony and essentially, and especially—peace.

At a time when we are donating billions of aid to our once former enemy who seemed to necessitate such a defense program, this program seems to be of the past. Its purpose gone, its remaining momentum must therefore only be of value to those who have a vested personal (rather than national or global) interest in its implementation; those businesses which would prosper greatly from selling the equipment required, and those military personnel who believe their personal employment security lies in the continuation of war preparations.

The paradigm has shifted. There are a growing number of us who understand that when one focuses on the need for war, then wars will be manufactured. With the same principle of what you focus on is created in experience, many of us are now choosing to focus on peaceful ways of getting along on this planet. If we plan for peace, it is my belief that ways to maintain peace will be found.

Thank you for your time in reading this letter.

1

Dear Senator Inouye,

I oppose the having of a Star
program on Kauai. I feel it will
harm our economy as well as cause
great concern of danger to its inhabitants
with the transporting of dangerous
materials.

Thank you

Tincerely
Kay Doty

Sincerely,

Mrs. Linda Carpenter

P.O. Box 3437
Princeville, Kauai 96722

WR335

Senator Daniel K. Inouye
2222 Hart Senate Office Building
Washington, D.C. 20510

10 April 1992

Dear Senator Inouye,

I oppose the testing of the Star's SDI program in Kauai. Firing missiles from the Pacific Missile Firing Range violates the three valuable qualities of life in Kauai.

1. Endangered marine mammals are gradually returning to their natural environments around Kauai. The numbers of the endangered green sea turtle, the Hawaiian monk seal and the humpback whale living in the waters and beaches of Kauai have increased slowly since the marine mammal protection act was passed during the 1970's. The seals and whales choose Kauai's waters to mate and bear their young. The Army's plan to fire 40 missiles during the next ten years will frighten and drive these animals away, to other less-safe beaches, where the animals are more vulnerable to shark attack, and their populations will decline. We all have a responsibility to preserve these remaining endangered animals for future generations of people to study and appreciate.
2. Native Hawaiians consider the lands occupied by the Pacific Missile Firing Range, and adjacent to it, to be sacred burial grounds. The firing of missiles violates the respect and honor that is owed to this land. The waste materials that would be released into the air, water and earth from the missile launching demigrates this land that is cherished by native peoples.
3. Launching missiles from Kauai threatens the tourist industry. Visitors from other parts of the world choose to come to Kauai for the unspoiled beauty of its beaches, verdant valleys, dramatic coastline, abundant marine life, and quiet lifestyle. Launching 40 missiles during the next 10 years will contaminate the ocean with debris and chemicals discharged from the missiles, harming the marine life and damaging Kauai's fragile ecosystem. The movement of hazardous materials/fuels on the roads, on boats and on Kauai's air ports could result in an catastrophe (like the Exxon Valdez, or the misfired missile that exploded in its silo in Arkansas recently). Launching missiles will drive tourists away and ruin Kauai's economy.

Thank you for your attention. Sincerely,

Helen M. Mehi

Helen M. Mehi
675-2 Makani Rd.
Koloa, HI 96756

cc:
Henry F. Cooper, Director of STAPS
Natalie Joanie Yukinura, County of Kauai
Senator Daniel Akaka
Representative Patsy Mink
Representative Neil Abercrombie
Editor, Kauai Times

WR334

April 8, 1992

Dear Senator Daniel Inouye,

I support the 'No Action' alternative on the Draft E.I.S. of the U. S. Army concerning the firing of missiles from the Pacific Missile Range Facility on Kauai. I am strongly opposed to Star Wars testing on Kauai for the following reasons:

1. Our environment is our economy. One accident could have a devastating effect on our tourism and real estate revenues.
2. The effect on our ozone layer has not been properly addressed within your E.I.S.. Brominated fluorocarbons, a by-product of launching missiles, has been shown to deplete the ozone in our atmosphere.
3. Nohili Dunes is a culturally significant area, inappropriate for use as a launching site.
4. I do not want my tax dollars to perpetuate human rights violations upon the people of Ebeye.

We understand that the employees of the Pacific Missile Range Facility have been threatened with the loss of their jobs if this program is not commenced. We have written to the U.S. Army requesting that the authorities please clarify this misconception immediately so that each P.M.R.F. employee may make a conscientious decision based on the true impact of the program, not under duress from fictitious threats.

Sincerely,

Beck Francisco

P.O. Box 930
Hanalei HI 96714

SCOTT I. BATTERMAN
 225 UNIVERSITY AVENUE
 APARTMENT 305
 HONOLULU, HAWAII 96826

April 3, 1992

The Honorable Daniel K. Inouye
 United States Senate
 722 Hart Senate Office Building
 Washington, D.C. 20510

Dear Sir:

I am writing to you again to express my opposition to the STARS Program. I recently stated my opposition at a public hearing on the Draft Environmental Impact Statement in Lihue, March 25, 1992. I wish to express them directly to you at this time.

There is significant opposition in Hawaii, and on Kauai, to the use of the Pacific Missile Range Facility at Barking Sands as a launch site. This opposition has many different components:

- The environmental impact of the program, including the potential damage to the ozone layer.
- The imposition on the rights of native Hawaiians, including spiritual concerns — shared by others — over the use of Kauai for the program.
- The impropriety of using the Pacific Ocean as the target, including the harm being done to the Marshall Islanders — a people who have already paid a high price for our use of the Pacific Islands as nuclear test site.
- Safety concerns over possible launch accidents and the transportation of dangerous materials, such as Hydrazine, over local roads — an option the military has pointedly not ruled out in its DEIS.
- The impact on the tourist industry, particularly in the event of an accident.

Then there are the more general concerns over the STARS and SDI programs:

- Many reputable scientists question whether the goals of the program are at all feasible. These questions have been given greater credibility by the recent revelations that the Patriot Missile did not, in fact, work as well as the White House public relations staff would have us believe.

Honorable Daniel K. Inouye
 April 3, 1992
 Page 2

- The STARS and SDI programs are extremely costly in a time of budgetary constraints resulting from massive deficits and significant unmet domestic needs.

Given these concerns, it is time for a careful reassessment of the purpose of the program, and whether that purpose justifies the expense and risk. STARS is part of program designed to guard against Intercontinental Ballistic Missile attacks. But who is going to be making such an attack? Not the Russians: They are no longer our enemies, and want financial aid from us, and our assistance in dismantling their military. Not the Chinese: They are more concerned over losing most favored nation trading status than anything else. I presume we are not expecting an attack from the English or the French, or the space programs of India or Japan.

That leaves a Saddam Hussein-type. But if someone like him obtained nuclear weapons, he would not wait the years necessary to develop an ICBM and risk a launch failure, when small planes or boats are available. Indeed, once the hurdle of obtaining fissile material is overcome, building a nuclear weapon is no major technical feat — we did it with 1940's technology.

By contrast, building an ICBM is a difficult task, involving inertial guidance, materials, fuel, etc. Even then, accidents do happen, as our own failures (both in the beginning of the space program and in more recent years), the failures of the European Space Agency Ariane program, and the launch failure last month in China, constantly remind us. What dictator would wait so long, spend so much, and risk so much, when every night drug smugglers demonstrate how easy it is to sneak a plane into the US?

Given the many concerns listed above, spending billions of dollars for protection from a non-existent limited attack is an inexcusable waste of scarce resources. I urge you, in the name of scientific and fiscal responsibility, and aloha aina, to lead the fight against this unjustified waste of taxpayer dollars.

Thank you for your consideration.

Very truly yours,

Scott I. Batterman
 Scott I. Batterman

WR337

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL

April 8, 1992

Senator Inouye & Mr. Gallien,

This is a letter of protest against the SDI (STARS) program being considered at PMRF on the Hawaiian island of Kauai. This world, this country, and, more specifically, the island of Kauai does not need SDI research. That such a project is potentially dangerous is a given; why else would the remote island of Kauai be considered as a location if this were not the case?

I personally would like to see that the current employees at PMRF continue to have worthwhile jobs there *without* adding the potential hazards inherent to the SDI program. In other words, I am not objecting to PMRF itself, just what is being proposed to occur there.

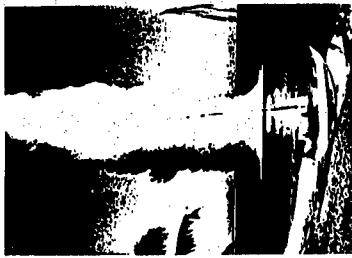
Once again, this letter is a protest against the SDI program. NO, not on this island, which is my home.

Sincerely,

Timothy J. Fernand
4460 Ikena #311
Kalaheo HI 96741

WR338

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



19 March 1992

Dear Senator Inouye:

I recently viewed a film titled "Home on the Range". This documentary portrayed the history and life of the Kauai island Atoll. The United States military activity and treatment of the native peoples of this area is deplorable. The residents of Enewetak Island (10,000 people spread out over more than 1/2 square mile!) do not want anymore missiles launched to Kauai in a mere 2-3 miles from their homes. They have written a letter of appeal to Inouye asking her to do our part to keep more missiles out of their back yards.

Besides the need to protect our health & well-being on Kauai, we also need to, in good conscience, be sympathetic to our pacific neighbors. Please continue to support efforts to stop the Star's program. To Box 304 in Hawaii. Thank you very much. William Fernand, Kalaheo, HI 96741

**KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOL**

卷之三

12
July 20th 1881

WR339

Sen. Dan Inouye
U.S. Senate
Washington D.C. 20510

March 27 1992

Aloha Senator Inouye:

I am writing to add my voice to those who oppose the planned SPI

SDI is a system that won't work designed to defend us against an enemy that doesn't exist. It's outrageously expensive. We have far more pressing problems in America than the development of another high-tech defense system. While no one doubts that there are still dangerous people in the world, SDI will do nothing to protect us from them. Money spent on defense should go to practical, workable systems. Money left over, the so-called "peace dividend" should go to resolving the problems of homelessness, drug abuse, crime, AIDS, pollution, and to improving our educational system.

Please see [Innovee](#): vote NO! on the SNT Mahalo

卷之三

William R. Grier
3787 Ho'ohuki St.
Lihue, HI 96766

186
The first time I saw the *Leucosticte* was at the same place, and I have seen it there ever since. It is a very tame bird, and I have often seen it at the window. It is a small bird, with a black cap, white forehead, and white chin. The rest of the head and neck are black, and the body is brownish-yellow. The wings are black, and the tail is black with white tips.

2-301

WR341

March 26, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Dear Senator Inouye,

Kauai's environment is our economy. One accident would be devastating to our tourism revenues and real estate values.

Please stop the military escalation on Kauai. We do not want Stars missiles launched from our island.

Sincerely,

Bick Transeca

B. Transeca
P.O. Box 930
Hanalei, HI 96714

The Honorable
Senator Daniel K. Inouye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inouye:

This week I attended the public hearing at the Convention Center in Lihue, a meeting seeking community input regarding the Draft Environmental Impact Statement (DEIS) on the Strategic Target System (STARS) program. I am deeply disturbed.

While the DEIS is substantive, it still fails to address a few issues of direct importance to Kauai. My perception is that, for the Military, Kauai is merely a conveniently located, geographically correct, launching pad for STARS, a program which, to many of us, is of dubious value to the promotion of global peace, and which is detrimental to the Marshallese at the receiving end of the trajectory.

This issue is corroding the island. The workers at the Pacific Missile Range Facility (PMRF) at Barking Sands equate the viability of the Base to the approval of STARS. Thus, if one is against STARS, one is automatically branded anti-PMRF, an unfriendly person who does not care about the well-being of PMRF employees.

I feel that the beautiful spirit of this island is threatened by the specter of the STARS program, which hangs like a dark cloud over this precious land.

Global peace is desired by all of us. The question is: is the STARS program the way? Should we not seek other ways toward that end?

I beg you to take these concerns to heart.

With Aloha,

Respectfully,

Maria C. Snyder

Maria C. Snyder, M.D.
P.O.Box 58
Kapaa, HI 96746

WR344

March 25, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Aloha Senator Inouye,

The citizens of Kauai do not want Stars missiles launched from Kauai.

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e. education and housing).

Sincerely,

Danielle Palmer

Pamela Palmer
P.O. Box 238
Hanalei, HI 96714

To whom it may concern,
I recently relocated to Kauai Hawaii
and would like to express my opinion concerning
Star Wars Missiles. I feel it highly offensive
that our government would deem it necessary
to shoot these experimental rockets, knowing
the apparent side effects that we would be
exposed to in the aftermath.
As a citizen of the United States I
strongly suggest those representing my
political beliefs to vote against the
Star Wars Rockets.

Sincerely -

Lisa L. Ross
Lisa L. Ross
PO Box 1263
Kona HI 96740

WR343

WR345

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

AND A STOP ON STAR MISSILE LAUNCHES FROM PURF

Kauai Hawaii

I am a current resident of Kauai and lived on the island for the past ten years. I was truly uninformed about the proposed Star Lakes Missile testing. Somehow it did not sound right to me, so I had to get informed.

Kauai is a small island, a small inhabited island, with people living on it, although I guess humanity is not an issue here. After all look what we've done to the 10,000 Marshall Islanders who were taken off their land, only in later years to suffer diseases, suicide, and death. One human error and then what's to say about the economy, the vegetation, the life that still remains one of the only places left that is still unspoiled!

Kauai has always been a very special place for me. I've seen and been through a lot here. It is a testing ground for our souls not for missiles. How dare we allow launches off the Sacred Grounds of Nohili Duke. Obviously Capital Hill does not know about the power of this island and its Hawaiian people. I beg of you to stop this madness before it begins Right Now!

Jane Pennington

WR346

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL

WR347

March 27, 1992

Senator Daniel K. Inouye
Room 722 Hart Senate Office Building
Washington D.C. 20510

Aloha Senator Inouye,

Thirty billion dollars has been spent to date on SDI with little or nothing to show for it. Please stop funding this program immediately and start spending these funds on more relevant programs (i.e. education and housing).

The citizens of Kauai do not want Star missiles launched from our island

Sincerely,

C. Thompson

Joseph Thomson
P.O. Box 238
Honolulu, HI 96714

Dear Senator Inouye,

I recently went to the ETS Star Wars Hearing on Kauai (where I reside).

In short please note that I am opposed to the plan to test Star Wars. It is my opinion that it is unhealthy for our environment and out of step with events in the world and our horrendous budget deficit.

Thank you.

Edward de Deo

Dr. Edward de Deo, D.C.
3707 Omeo Rd
Kala, HI 96756

WR348

United States Senate

Washington, D.C. April 1, 1992

Respectfully referred to

The Honorable Daniel Inouye

(unacknowledged)

Dear Senator Nunn,

I live on the island of Kauai and am the mother of two young sons. I would like to see the STARS program stopped before it begins. The reasons are clear, we here on Kauai have a clean pristine environment and are working to keep it that way. The STARS program is a threat to this. No one can say what will happen if these 20 year old missiles are launched, but the experts agree there is a 50% chance of misfire. Along with human error, other mechanical failures, spills, leaks and spewing of rocket fuel onto our air water and land, I hope you can see the senselessness of this project. I am not against arming ourselves and protecting our country. Please do not let this or any of the planned missile launches happen here on Kauai. This is a vacationer's paradise, and our main source of income. (I meant to say tourism is.)

Isn't there some way the armed forces can dis-assemble these rockets (missiles) and re-use the parts for something else? I have a feeling that this project is geared to getting rid of those things. Yes, I know about the EIS study, but as far as that goes, I haven't much faith in that report.

Please do what you can to stop the STARS program from starting on Kauai. I would not feel safe living here any more if this foolish game is allowed, did I mention dangerous? Thank you for your time and attention to this matter.

Sincerely,
Doreen Thom
 1599-A Keholu St
 Lihue, HI 96766

WR350

3707 Ono Rd
Kailua Kona, HI 96740
Apr. 1 4, 1992

I am a resident of Kauai. I oppose
Launching STARS missiles from Kauai.
I also oppose the entire STARS program.

- 1) You requested an independent EIS and be performed for Barking Sands and the Army conducted their own EIS. If they want even follow your request for the EIS, what else will they do independent of control?
- 2) The world situation that prompted the STARS program is no longer occurring. It ~~is~~ is not necessary to have ~~a~~ such a defense system anymore.

- 3) Given our present economy, it is foolish to spend billions of dollars on a project that is not necessary and very probably will not be effective
- 4) The potential for ecological harm to Kauai, which directly causes economic harm, is too great.

Please oppose this project with all the powers you have available.

Sincerely
Richard Sherman

WR351

CHARLEY LOVE
PO BOX 1541
KOLOA, HI 96756
(808) 742-6864

SENATOR DANIEL INOUYE
US SENATE
WASHINGTON DC

DAN:

STAR WARS MUST GO ! I JOIN THE RAPIDLY GROWING NUMBERS OF KAUAI RESIDENTS IN OPPOSING THE VERY THOUGHT OF ESTABLISHING A TESTING AND/OR OPERATIONAL BASE FOR SDI ON THIS ISLAND. MY REASONS GO FAR BEYOND CONCERNS FOR A SMALL AND FRAGILE PACIFIC PARADISE. THIS IS A SMALL AND PRECIOUS WORLD AND IT IS BARELY TIME FOR US TO COME TO OUR SENSES AS A NATION, AND REALIZE THAT IF WE ARE TO REMAIN A WORLD LEADER WE MUST PRACTICE HARMONY RATHER THAN DOMINATION. WORLD ORDER WILL NOT COME THROUGH ACTS OF WAR! SDI IS A FLAGRANT DEMONSTRATION OF POWER MANIPULATION BY PRO-COLD WAR STRATEGISTS WHO ARE SAYING THE COLD WAR IS OVER OUT OF ONE SIDE OF THEIR MOUTHS, WHILE TRYING TO FOOL TAXPAYERS INTO FEARING UNSEEN MONSTERS WITH THE OTHER.

IF MANKIND IS TO SURVIVE, WE WILL DO IT BY PUTTING OUR ENERGIES INTO CREATIVE ENDEAVORS. IF THE UNITED STATES SURVIVES, IT WILL BE BY DEMONSTRATING OUR WILLINGNESS TO LIVE IN HARMONY WITH ALL NATIONS AND ALL PEOPLES. IT'S TIME TO PUT IT ON THE LINE.

YOUR'S FOR A BETTER WORLD
Charley Love

CHARLEY LOVE

2

Honorable Senator George
U.S. Senate
Washington, D.C.
30510

Dear Senator George,
I am so concerned and my heart
feels heavy for various reasons. I am 52 years old,
a wife, a mother, and a citizen of this
planet. The issue that is causing me
such concern is the proposed Star Wars testing
launches on this island - and the division
occurring among the people regarding this issue.
This division was so apparent at the
hearings - as a mother & steward of the
Earth planet, I am saddened by such
deep family fights!

I do not want to see this garden island
as a launching pad for antiquated and
dangerous planes missiles. Further, the Star Wars
missile systems seem a waste of
tax money, considering the recent developments in
Europe & the Soviet Union. Not only will
this island be impacted, the oceans around
it will be, as well as the target area
in the Marshall Islands. The role we
have played in regards to abusing these

WR352 (cont.)

islands is a major embarrassment
and go on - There is the issue
of the Hawaiian Islands, our whale PMRF kills
at Marau. We need to preserve this special
ahu pu'a as a valuable gift to give
our children, our future -
Please, Senator, use your power as
head of the Defense Appropriations Committee
to stop the proposed Kauai missile
launching site. Now Senator Inouye, I am
a calm, peaceful person - The debate
anger I feel, with what is being
proposed & the impact on this tiny
island & its people, is不堪 and
me. I want it to be heard
wideworld. There is a tumultuous voice
arising in this land - the nation
saying "Enough!" Can "big government"
bear to listen to the inner feelings of the people as well - those
that come from the gut.

Respectfully,
Janet
Box 1139
Kalaheo, HI 96741

1

WR353

SENATOR DANIEL K. INOUYE
722 HART SENATE OFFICE BLDG.
WASHINGTON, D.C. 20510-1102

Dear Senator Inouye,

I AM VERY MUCH AGAINST HAVING THE
STARS PROJECT ON KAUA'I. KAUA'I'S BEAUTY
AND ALOHA ATTRACTS THOUSANDS OF VISITORS
FROM ALL OVER THE WORLD EVERY YEAR.
HAVING A MISSILE LAUNCHING SITE ON
THIS ISLAND WILL DRAMATICALLY CHANGE
KAUA'I'S IMAGE AND WILL NEGATIVELY
AFFECT OUR ECONOMY. WE ALL DEPEND ON
THE VISITOR INDUSTRY AND TURNING KAUA'I INTO
A MISSILE SITE WILL TURN VISITORS AWAY.
PLEASE PROTECT OUR ISLAND'S BEAUTY
AND ECONOMY. NO STARS ON KAUA'I!
SINCERELY,
Anne English

ANNE ENGLISH
P.O. BOX 1280
KALAUO, HI 96741

WR354

Date: April 9, 1992

To: S. Shihao, M. Cummings

From: S. Shihao

Kathleen Strand

p.o. box 397

Hanalei, Hawaii 96714

808-828-1804.

She is against Stars Program, she felt that it should be more public
for the people to get in voice with it and that it shouldn't be only
the decision of the defense. Wants a response.

1

PATRICIA B. SPILLANE P.O. BOX 572 KALAEHO, HI 96741

April 6, 1992

The Honorable Daniel K. Inouye
Senate Office Building
Washington, DC 20510

Dear Senator Inouye:

My credentials: I'm a 72-year-old Mainland-born, caring voter who believes that my vote counts. I've voted in every election for which I was eligible since I reached voting age. I've cast my vote in every primary and general election on Kauai for over 21 years, including one absentee ballot.

I ask you to speak for the many citizens of Kauai who fear the impact of the Stars program on our "laid back" island.

Many of my friends work at PMRF. I do not want their lives as well as mine to be in jeopardy.

My plea is from the heart--others will surely provide you with all the statistics.

Please bring your far-reaching influence to bear for those who champion a Garden Island without Star Wars.

Sincerely,

Patricia B. Spillane

WR356

WR356

Senator Inouye 3/31/92

Please help us stop the millions
of nuclear weapons in STAR'S
missile program on our
beautiful Island. The majority
of Kauai residents do
not want it here.
Please read my enclosed
background paper and call
at hearing in June.

Sincerely,
Patricia B. Spillane

WR356 (cont.)

RE: STARS: STRATEGIC TARGET SYSTEM ENVIRONMENTAL IMPACT
STATEMENT

Oral Testimony presented Wednesday, March 25, Kauai War Memorial Convention Center
Given by Gabriella Taylor, 5620 Keapana Road, Kapaa, HI 96746

I come here tonight as a 20-year resident of Kauai who cares about the quality of life on our beautiful island. For that reason, I am against the STARS Missile Program. This island is a place where hundreds of thousands of people come to rest, to rejuvenate, if you will, to heal mentally and physically. Therefore, I speak tonight also as a health professional. I feel that the presence of a STARS Missile Program on this island would represent the hand of death, a sinister shadow hovering over this life giving island. I would like to quote from the STARS Environmental Impact Study, pg. 4-57 through 4-59, referring to the effects of rocket propellants on the human biological system.

"Hydrazines are toxic and corrosive to the skin. In contact with rust, the liquid may auto-ignite at temperatures as low as 73 degrees Fahrenheit and present a very serious fire hazard. Hydrazine is a suspected human carcinogen. Besides liver damage it can cause pulmonary edema and damage to lungs, kidneys and blood.

The propellant, nitrogen tetroxide is highly corrosive to human tissue: Its vapors may cause permanent injury, primarily in the form of burns to the tissue of the pulmonary tract."

I am horrified to think of the possibility that such poisons would be transported on our island roadways. For that reason alone the STARS Program is contraindicated for the health and well-being of Kauai's people. There are many more reasons, however. The program should be stopped because of the detrimental effect of freon released during the launch. It would further destroy the stratospheric ozone layer which protects us from UV rays that cause skin cancer. The EIS does not deal with this problem adequately. The EIS should not be used as a document to decide the fate of the STARS Program.

How would the military feel if the EIS was done by the Mayor's office or perhaps the Sierra Club of Kauai? Any viable and credible study must be done by an impartial party not attached to either side. The EIS as it stands is not acceptable.

I want our Garden Isle to remain the gift of life and health to residents as well as visitors from around the world.

I say no to STARS Missiles, no to death.

I say yes to life - Yes to Kauai!

Aloha

Janet Taylor

March 26, 1992

WR357

To the Honorable Daniel K. Inouye,

I am very concerned about the proposed Star Wars testing launches from Kauai.

I am most concerned about the safety of the transportation of the hazardous fuels, safety zones around the site, environmental impact to the target islands and the conditions of life and compensation given to those individuals whose land that is being used.

I appeal to you to insist upon unbiased objective professional and thorough assessments of the environmental impact of such a project. I appeal to you to consider the implications of these actions in regard to the history of other such projects that have had some benefits and disadvantages.

From as much information as I know have, I am opposed to having the test launches conducted in this way. I do not want to reject the good that may come of this project or discount the good that already has. I do see a potentially unfavorable impact resulting from the project; it makes no compensation to the Hawaiians or the state for land use, it will contaminate water, land and air greatly. I do understand that sacrifices need to made in all decisions and that nothing is all good or bad. But I do want decisions to be made with informed consent and conscious awareness.

I pray for us all to make the best decisions in caring for each other.

Thank you very much,

Maurizia Zanini

PO Box 738

Hanapepe, HI 96716

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2

1

2

3

WR58

WR58 (cont.)

Senator, Daniel K. Inonye
U.S. Senate
Washington, D.C. 20510

Dear Senator Inonye:

Enclosed is a copy of the presentation I made at the EIS Hearing re:
STARS.

As Chairman of the Defense Appropriations Committee, you have the ability to stop funding on this wasteful, both to the environment and the budget, STARS appropriation. As our Senator, you are, I know, concerned, as we, who live here in Kauai. Please, please use your influence to stop funding for STARS and move the appropriation to another, more beneficial, use.

Mahalo nui.

Sincerely,

Carmela Tuck
P.O. Box 276
Koloa, Kauai, HI 96756
(808) 742-9618

Deputy Commander
U.S. Army Strategic Defense Command
P.O. Box 1500
Huntsville, Alabama 35807-3801

Attention: CSSD-ENV (D. R. Gallien)

Re: Strategic Target System Draft Environmental Impact Statement

Dear Sir:

A family whose breadwinner is out of a job, deeply in debt and learning to exist on unemployment benefits must quickly learn to prioritize spending. It is not difficult for them to separate their basic needs from luxuries and to spend accordingly in order to survive. We as a nation are like that family. We are in a recession with a record deficit and must learn to prioritize. We must learn to spend on only our most basic needs and not on luxuries that we cannot afford. STARS is such a luxury. It is as unnecessary as it is expensive. We are in peace, not war. The only nation that has the capability of long range missiles is now no longer an enemy but a friend. That nation is itself, according to a recent article in the Honolulu Advertiser, considering stopping all missile testing due to ozone depletion, which is a worldwide concern.

As to ozone depletion, we, here in Kauai, are already experiencing ozone depletion. We cannot afford to have it further depleted by STARS. It cannot be restored once it is depleted. We cannot subject ourselves to the dangers such a depletion would engender to ourselves, our family and friends. Also, our tourist industry would cease to exist if that happened as our island would no longer be fit to live on, let alone visit.

The EIS does not address what would happen in the event of an accident. What are the measures that will be taken if a missile misfires or goes on an incorrect trajectory. What if it hits Nihiwai, or falls over a populated area of Kauai. The greatest casualties our nation suffered in Operation Desert Storm was from our own Patriot Missiles and the debris that fell on the barrocks containing our men and women in the service of our country. This could be our island and our people here in Kauai and Nihiwai.

Lastly, although the Marshall Islands is not part of our nation, it is a friendly island nation that we have damaged and will continue to damage with STARS. They do not deserve this. They have treated us as friends, and we have repaid them with inhumane treatment and apartheid. If you have not seen the film "Home On The Range", please do so. It is a testament to our failure as a nation to respect another nation and its people. We take pride in our nation.

WR358 (cont.)

and I do not want to see our country treat other nations as we would be treated. Yet, here we are the bully, and as an American I am ashamed.

I ask that you consider these words and act accordingly, with good conscience, as to what is in the best interest, not only of our nation, but all nations on this planet earth.

Thank you for allowing me to share my concerns,

Sincerely,



Carmela Tuck
P.O. Box 276
Koloa, Kauai, HI 96756
(808) 742-9618

Senator Daniel Inouye
United States Senate
722 Hart Senate Office Bldg.
Washington, D.C. 20510

Re: SDI

Dear Senator

First of all I do support the Pacific Missile Range Facility Barking Sands. However I do not support SDI because:

1. The possible threat to lives in the event of an accident we have no reasonable evacuation plan in case of explosion on the launch pad.

2. The P-5 fire spans did not adequately address the potential negative environment impact H.I.s program may have.

3. The threat to our tourism industry in the event of a mishap.

4. The Shas and EDB being are having a negative impact on social, cultural and environmental resources of the native peoples of Marshallese Island of Kwajalein and natives Hawaiians who have similar concerns.

5. Our national budget cannot afford this program. SDI makes no sense to us as we no longer have Russia to worry about. SDI as you know is an offensive and not a defensive system.

I ask that you do not fund the SDI program.

Thank you for your consideration.

Sincerely
Lorraine Hansen

4-5-72

4-5-72

4-5-72

4-5-72

4-5-72

4-5-72

Honorable Senator Inouye

U.S. Senate
Washington D.C., 20510

Dear Senator Inouye:

I am writing to you today because of my growing concern about the States program. Its only been since the Reagan-Bush presidency that the Defense has gone out of sight that States program is a major reason for this, the project should be stopped for 44: person alone! 30 billion nothing to show for it. 30 billion, and another 45 to 75 billion needed; you need to stop this nonsense now! Balance the deficit, states is designed to stop intercontinental ballistic missiles, soon a country to come up with law ICBM is equivalent to having 4000 nuclear weapons which takes years of research & billions of dollars. What this threatening country has this kind of technology, a more If there is a threat to our country it won't be coming from ICBM. Stop this waste of tax dollar spending. From a people owned of the 2nd largest military Army is yearning to launch 15 missiles a year for the next 15 years & springy goose this states test program, and urge you to use your powers to stop this threat to our sacred and precious land & island home. The land & sea sites available don't most states have on land, so my opinion, it is considerably less costly to stop. I think you know how culturally significant our national defense is to us. I would like to add one more point.

The last 6 months we've been dealing with the effects of the 1986 Chernobyl accident. The Chernobyl accident, which initially started in April of this year, has been released into our atmosphere, brominated. Since then we've released into our ozone layer, we must act to protect our ozone layer now. We have done some possible for our environment but still is for future generations to come.

One of the most critical issues concerning states is the Marshall Islands and the people living on their island of Enderbury. These people for the past 15 years have had a very hard life. Our government is going to treat them over 10 years of the end of the century. How can we suffice a population that's closing to provide a decent shield while inflicting such a punishment on our neighbors in the Marshall Islands? So its with these facts that I urge you to take action now! On the 5th of May as Head of the Defense Appropriations Committee, you are to take one in the committee to deliberate the bill. I'm looking forward to your action on this for us.

Thank you

Foster M. Heald

5/5/86

I am writing to you re: regards to the STARS program on Kauai. I am very much against the STARS program. My reasons are:

1. STARS is not safe.
2. STARS is damaging to the environment.
3. STARS costs too much money.

First of all, I don't think that STARS is safe enough and many noted scientists agree that STARS is very unlikely to work. The Army keeps insisting that the 20 year old Polaris missiles are completely refurbished and have a 97 percent reliability rate. The Army also tries to reassure us that there has never been a denotation or explosion of Polaris booster in flight. Contrary to these "facts" given by the Army, there has been termination of two rocket launches. Last December there was a rocket explosion at White Sands, New Mexico. More recently, at Cape Canaveral a guidance missile, similar to the one to be used at PMRF, had to be destroyed shortly after liftoff. Cape Canaveral has a safety area of 18,000 square miles, while PMRF only has a 10,000 square foot safety area.

Secondly, the EA and EIS state that there will be no significant impact on the environment. I do not believe that at all. For one thing, there are freons in emissions from the missiles. Freons have similar properties as CFC's. Researchers from NASA blame CFC's for depletion of the ozone layer. Also, chemicals such as aluminum oxide, hydrazines, and hydrochloric acid will be in the payload of the missiles. These chemicals are known to cause death and disease in plants, animals and humans. Medical research has linked aluminum to Alzheimers disease. Further more,

hydrochloric acid is a deadly gas to humans. Recently, a California highway was closed due to a spill of hydrochloric acid. Also, exposure to chemical emissions from STARS missiles can cause respiratory problems.

Finally, I think the STARS program will cost too much money. I have seen figures as high as \$75 billion dollars! I do not want any of my hard-earned-tax-paying-money to be spent on STARS. I do not think the government has the right to be spending billions of dollars on STARS while there are millions of homeless people in the USA; while there is still no cure for AIDS or cancer; while most of the children in the USA live in poverty; or while most of the citizens of the USA have inadequate or no health care.

In summary, I think that the STARS program should be scrapped! The USA needs to be using its money, resources and time for the tangible benefits of all its citizens. Finally, I think the military should remember that pollution knows no boundaries and that the citizens of the USA are not the only inhabitants of the Earth.

STOP STARS!

David McGehee

Brigid McBride
P.O. Box 1476
Kapaa, Hi. 96746

April 2, 1992

WR383

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Senator Inouye,

This letter is to let you know that I and every one I know are strongly opposed to the Stars Program.

I understand the need for a strong defense, and am NOT opposed to PMRF. However, after having researched the type of missiles, and their ADF and the high possibility of an accident; I can understand the militance of those opposed the these launches. And would be willing to put my self on the line in demonstrations blocking their launches.

Please help us to stop these launches.

Sinceby,

Susan Gately

Susan Gately

P.O. Box 737

Kiowa, HI 96754

Name

Address

City/State/Zip Code

Street Address

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gullen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

City/State/Zip Code

Street Address

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gullen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

WR364

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

Dear Sir

It's really time to stop making war. We don't live in the stars, we are here on our planet. We are not at war in the stars. We all want to live in peace. We and you... there is no place on this planet where these things are right to do. To suicide. Our right to live is at stake. Do you wish to die in a nuclear war? Because that is what it will about. There must be good work to do instead of this business of self - annihilation. That would be it.

Name

Address

City/State/Zip Code

Street Address

City/State/Zip Code

Street Address

Please hand this form in or mail by April 13, 1992 to:

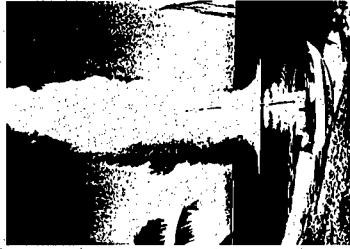
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gullen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

City/State/Zip Code

Street Address

WR366

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEN ATOLL

1-14-X: 22-72

[1] you can be threat any time by unexpected
missile launch right now if you are in the Kingdom. So
I hope these are human rights
for human in hawaii.

John C. Harman, M.D.

MISS COAST
KAPAA, HI
96746

Dear Senator Inouye,
I was born & raised in Hawaii &
am 45 years old. I am counting on
you to do everything you possibly
can to stop & eliminate the threat
of 'stars' launches - both to the state
of my birth, island & to the
islands of the Marshall Islands.
I will support you on this in any
way that I can. Please send the urgent
of this situation to stop stars launch
& testing in our Pacific Reserve area.
make a name NALANA DONO 14 oe -
LAKA OPE TAI
P.O. Box 387
Honolulu, Hawaii, HI
96724

WR367

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEN ATOLL

2-319

WR369

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

SENATOR INOUE

Please stop all missile launches
on Kauai - we will not be used
as a test base or wish to
attack a forth comming assault from
another nation.

Also stand up for Sen Cleon Jones
the human disregard
the the U.S. Govt has
done to our neighbors on
Kawajalein!!!

WR370

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Dear Sir,

I have just seen a "documentary" home on
this "race". About 10 missile warheads in the Marshall
Islands. I found it most distressing. It makes me
embarrassed to be an American. How can our
government be so cruel?

It's time to put a stop to this sort of thing.
I would like to urge you to work toward a
moratorium on missile warheads on Kauai Atoll.
As well as preventing anything we send to happen
to Kauai or in the Marshall Islands. Lives & cultures are at
stake. Thank you for your time.

Heidi Farwell
P.O. Box 24 Kauai HI 96744

1

WR372

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

1
In an initial report of the
missile warhead impacts in the
Kawajalein Atoll, I have
been told by the
Hawaiian Islands
Missile Test Center
that the test was
successful.

Given the fact that we have not established the booster's reliability after all of these years, the costs and effects involved in implementing the proposed STARS program

1. SDIO/SDC and DOE all studied the Polaris A-3 between 1984 and 1985 as one of the boosters to be used in connection with placing Dr. Edward Teller's recommended devices in space to counter the Soviet ICBM threat. As a result of these early studies, contractors reported to SDIO/SDC/DOE that the Polaris A-3 booster would perform reliably only 40% of the time. Following these results, as I recall, the Navy and supporting contractors were able to increase the failure rate of the First Stage and Second Stage modestly, but their Vugraph presentations did not demonstrate a success rate of greater than 50% in 1985. These results were all based upon data obtained from tests conducted between 1960 and 1964.

The reason for this high failure rate resulted from the tendency of the booster's nozzle to stick a few seconds after launch. This problem destabilized the booster causing it to pitch and roll seconds after ignition in a manner that made it impossible to recover stability through a yaw (a roll-out maneuver). Although the Navy had reported to us in 1985 that it had resolved this problems as early as 1964, the contractors who briefed us provided contradictory evidence and data that made it impossible for us to verify the booster's actual reliability.

We faced both the uncertainty of assessing a booster developed twenty-five (25) years ago, but also had to consider the effect that extended storage—for a period of years beginning in 1967 may have had on these boosters. We have to face the fact that each of these boosters could behave differently. See: DRAFT EIS for STARS, pp. 2-15, and 2-16. Given this unpredictability these boosters must be considered potentially dangerous, especially because this is a sea launch SLBM that does not have a good track record over its lifetime.

WR371

WR372 (cont.)

must be considered uncertain. Ironically, part of the Navy's interest in disposing of these boosters reflects the costs of continuing to store them. This rationale, however, does not support their contention that they have fixed the problems described above or can now assure us that the booster is now highly reliable.

2. I note a number of significant inaccuracies on the SDI/SDC EIS report, pp. ES-2, 2-16, and 4-8, in which the composition of the solid propellant is presented. I attended SDIO/SDC/DDE and contractor briefings in 1984 and 1985, and I recall that the company presented proprietary material describing the composite in the solid propellant that causes its exhaust gases to be extremely toxic and highly corrosive to many substances. The exhaust also condenses in a moist atmosphere and forms a dangerous fog (white powder). With winds blowing East to Southeast, if a Polaris A-3 had to be destroyed a few seconds after launch, the toxic exhaust gases described could not only harm the island of Kauai, but would also pose a threat to the other Hawaiian Islands. The impact would depend upon the atmospheric climate conditions and ocean currents present at the time of the aborted launch.

3. I also note that the sections of EIS for Stars assessing noise, pp. ES-6, and 3-39 to 3-42, and 4-40 to 4-43, appears inconsistent with data that I have seen on the Polaris A-3 type boosters, which has a design similar to the booster proposed for use in the STARS program. Data that I have seen indicates noise and sound pressure levels (which are not well covered) in the EIS report of over 150 dB's for 6 - 10 seconds duration during launch up to 1000 meters. The threshold of pain for individuals is 140 dB's at 1000 meters. In contrast, normal room speech entails noise at the 60 dB level. Therefore, the data presented on page 3-41 is particularly questionable.

4. I must regard the EIS analysis of alternative launch sites and launch vehicles, pp. ES-2, 2-34 to 2-38, as the worst glossing over of a significant EIS requirement that have seen in 25 years of work on space vehicles, ICBM's and ballistic missile defense. In order to reach any supportable conclusions about alternative launch sites and launch vehicles, these sections of the EIS will require major rework.

In conclusion, the significant technical problems I have described in the Polaris A-3's technical design require major overhaul and testing to insure the booster's reliability for use at the proposed launch site. Given the lack of evidence supporting this missile's reliability and its known toxic exhaust gas properties which can clearly endanger inhabited areas, I suggest a new study under the leadership of an experienced SDI/SDC program manager. Until that time, the Polaris A-3 booster should be rejected due to its past track record, which the Navy and its contractors have not accurately presented to the public in this SDI/SDC EIS draft report.

P.O. Box 730
Kilauea, Kauai
FROM THE DESK OF
JUDY L. JORDAN, M.D.
808-854-1640
TELEPHONE NUMBER
April 7, 1992

JUDY L. JORDAN, M.D.

BOS
8-18-1640

TELEPHONE NUMBER

8-18-1640

2

3

4

Dear Senator Inouye,

I would like to urge you to do

whatever you can to discontinue

any missile launcher on Kauai.

Of all the places the US Military has for these launches, surely Kauai need not be the place - an island inhabited with close range 2 that cannot easily be evacuated, a place dependent on tourism, 2 lane roads for transport. You well know all the defects of Kauai

in not against the military, nor test launcher - but why not use base in areas more suited to such things.

PMRF - yes. Stars launcher or

any other - no

Thank you for your consideration

Aloha

Teh Tefan

WR374
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

Dear Senator Dorgan,
I am very concerned about the future of Kauai. The island is already feeling the impact of people, birds and their by products of waste. The Star Wars program will only compound these problems much more. I am very surprised to star wars on Kauai. Hoping visitors that are to us old from Hawaii, the thought occurs me to death! The ozone depletion is a very serious issue for us in Hawaii, star wars will only complicate it. I'm more very concerned about the hazardous chemicals that the program would subject our island to. Having a rare lush tropical island as a launching pad for anticipated + dangerous + possibly missiles to Kauai aboard, please help to stop it!

Mark Weller & Shirley Maufield

WR375

Peace, in all of myself, is an Art - no. 501-3c -
April 1992

U. S. Senate
Senator George
Washington, D. C.

Dear Senator Dorgan,

"To Star Wars operation on Kauai." In the light of the world, especially the U.S.A., crisis it's time to consider extropolating the hacking over machine industrial water-national complex of the world's survival problems: human & war harmony with nature

The Kauai rural poor will make a superb sole-energy plant of power for the island. Economic conversion to non-military and civilian is essential for the island. Leadership is necessary to de-mong and balance and our way to democracy and balance and each other and nature. No big loss!

Sincerely,
George J. Schubert

1400 University Avenue, Institute K. Schubert • President Karl Bremser • Vice-President, Main Center

10, Box 105, Honolulu, Hawaii 96724 • 7100 B. I. 7518 • 1510 Brookview Drive, Salem, Ohio 44460 1219-332-1407

Secretary to Senator Robert Dole, Senator, CPX • Program Director, Laura French

80 Worcester Street, New York, New York 10012 • 7337 Holden Road South, Jacksonville, Florida 32216 1-800-226-5889

Executive Director, Legal Council, Clifford Civil, III, Attiv

APRIL 4, 1992

SENATOR DAVID KIRKIN
722 HART SENATE OFFICE BLDG
WASHINGTON, D.C. 20510-1102

DEAR SENATOR

THANK YOU VERY MUCH FOR YOUR EFFORTS WHICH ACTUALLY CAUSED THE U.S. AGY TO PRODUCE THEIR DRAFT EIS REGARDING THE PROPOSED STRATEGIC TARGET SYSTEM MISSILE CONSTRUCTION FROM PIAF ON KAUAI. I AM, HOWEVER, DISPICIFIED THAT THE AGY FAILED TO CONDUCT AN INDEPENDENT STUDY AS THEY AGREED.

ASIDE FROM THIS, THE EIS CLEARLY SHOWS THAT THREE WILL BE SIGNIFICANT IMPACT TO THREE ENDANGERED SPECIES AS WELL AS TO THE ENVIRONMENT, EVEN IF ALL GOES WELL. THE POTENTIAL RISKS OF DAMAGE TO THE ENVIRONMENT OF KAUAI AND ITS HIGHLY FRAGILE TOURIST-RAISED ECONOMY ARE SUBSTANTIAL.

THE POTENTIAL BENEFITS OF THIS PROJECT ARE QUESTIONABLE AND TOTALLY INSUBSTANTIATED, GIVEN IN THE EVENT OF SUCCESSFUL TESTING.

I ASK YOU TO REPRESENT ME TRY OPPONING THIS PROJECT IN EVERY WAY POSSIBLE.

SINCERELY
Michael S. Sunseri
3707 Oahu Road
Koloa, HI 96756

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL

WS377



MISSILE IMPACTS IN THE
KAWAJALEN ATOLL

From: US cities:
Nikki Beckwith
PO Box 781
Hanalei, Kauai
96714 -

1
Dear Mr. Ingagi - Please stop the Star Wars Project here on Kauai and help is badly needed to these poor people in Kauajalein and Marshall Island. You must help us save what is ever savable. I am so sad and mad about this. I feel powerless about the situation and want to do all I can do to help. It could happen to us and our families.

Thank you, Nikki
Beckwith

Min. Senator Alvarez Alvarez Alvarez Alvarez Alvarez

१०

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL

ISSUE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

I am wanting to have pieces on the planet, including here on Earth, at once for our Starlings and for visitors.

The only reason I heard at the
meeting was that we economic profits
in our business didn't pay off.
I also stated jobs (— both not private jobs
that support people) and services
of citizens. It didn't make us an
enemy of ours there — except to
ignore the environment.

Let your finger tell me.

Sincerely,
Diane Joyce Debrajewski
P.O. Box 946
Keller, TX 76248-0946

Indigenous peoples are advocates of something
Please continue to be our ~~by far~~ ^{best} ally
Indigenous peoples will help the ~~New~~ ^{old} ~~all~~ ^{these} people
you can

5

2-325

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL

We have been forcibly re-located and some of
who are suffering ill health from
radiation exposure.
Thank you for your help!

Sincerely,
Big Islandulant

L.J. ARCHAMBAULT
P.O. Box 1301
KALAEHO, HI
96741



MISSILE WARHEAD IMPACTS IN THE
KAUAI ATOLL

WF380

1
Kauai Citizens
Missile Images

Please do anything you can to make
amends to the people of the Marshall Islands
for all of our trespasses against them.
We your considerate influence moral and
political, to make the U.S. DO THE RIGHT
THING. The people of the Pacific Islands
(and their relatives) care for all the nations
than all the racism of KAHALA.

NO STAR WARS EVER AND NEVER
NO MORE US bases
in the PACIFIC ISLES.
in MAHALO Better

WR301

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



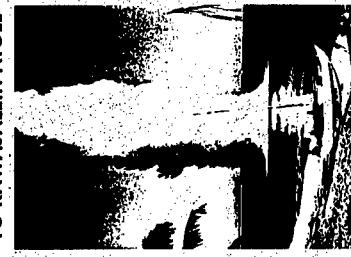
MISSILE WARHEAD IMPACT IN THE
KAWAJALEIN ATOLL

Dear Senator Incey,

Please make every effort available to stop the missile launching from Pacific Islands or the Island of Kauai, of which I am a resident and registered voter. I am deeply concerned about the safety of life on my island after the effects of the missile launch etc. and about the effects of the missile landing on the atolls of the Marshall Islands or the people caused at stay. Please do all you can to stop this ordinance. Dr Martin D'White
P.O. Box 075
Lihue, HI 96765

WR302

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Dear Senator,

As the environmental scientist, but mainly its a human being, I urge you to stop all preparations for the states defense program. Not only is it an expense that this country can no longer afford to waste, but it is also a further violation of the basic human rights of the Marshall Island People. They need their land, not more bombs. They have lost their culture, their health, billions and billions of dollars in the preparation of war. This is 1992. We need to stop funding destructive programs that serve no ones interests but weapons manufacturers. For the sake of peace and the funding of states.

Sincerely, Dan Shippin

WR383
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL

Dear Senator
Akaka,



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

I speak to you
as a Native Hawaiian
who has lived in
Hawaii all my life,
my home for 10 years
Kauai here been
now and I wish I
to remain there
as long as I
can.

I oppose very strongly the state here ~~the~~ rocket
launching project for several reasons.

1. It is a real and present possible danger to the
health, safety and well-being of Kauai's citizens
including its visitors. why subject us to this -
we ourselves are inviting the possibility of what hazardous
chemicals in transport & launching rocket can result in.
Would you want to live here knowing rocket testing
goes on and is polluting the air & water you breathe &
drink?
2. any related accidents or mistakes as a result
of the rockets will quickly destroy the winter industry
on Kauai and on other islands. Is we really want to
take this risk at all?
3. the millions & billions of dollars to fund the
state here is needed to help our country's borders,
fouthy - chicken, education and doming by our

WR383 (cont.)

environment with the cold wire over, nothing
else can do to back defense projects which are
absolute and do nothing to provide the sense
of peace and well-being for all.

Please, as your loyal constituent, I strongly
urge you to do everything you can to stop
this project from happening on Kauai.

We are counting on you to see the usefulness
of this project and to support programs that
better ~~the~~ enhance our island lands and, our
community & the natural
uniquie island, beauty for generations to come.

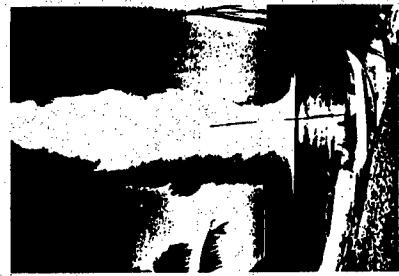
Sincerely,
Dwane Kihewau He

P.O. BOX 261
Lihue HI 96766

"Ua man ke ia o ka 'aina i ke pono."

[1] [2]

**KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOL**



MISSILE WARHEAD IMPACTS IN THE

3-5-92
Dear Sonata,
The second stop of our trip was at the Kwajalein Atoll.
Also we did some shopping and saw some
of the USA.

卷之三

14-36746
14-36747

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KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

Dear friend & Lucy,
I have just sent a glove on the stage
I am sickened at the awfulness of what
has & does affect our frugality & child's play etc.
Men & women living on hand & live for the past
generations, & have two daughters & two
sons children & not housewives (by mother she
lives nearly) live at a loss so to how to please
my self & other Please believe we are doing nobly
looking a total mountain or any & all cost by
it will reward you of any & all gratuity or
expecting with much love, kindly regards etc.

WPCG5

7

I am deeply disturbed by the
concerned citizens throughout the United States
and the United States Government. Please
look at this problem. It concerns us all.
We're tired & angry. We mean
business.

Frank Lockwood
P.O. Box 281
Kauai, Hawaii 96744

**KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL**

March 24, 1992

Box 23 P.1241



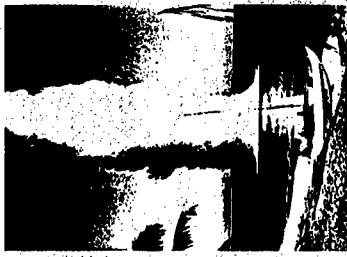
MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

Dear Senator
Inouye,
I was born &
and am a resident
for 10 years.
my home now
would be a

missile launching & missile
testing to be done on this fragile, unique island.
The fact that it is also populated with 40,000
people also speaks for the inevitable attitude that
it is a "safe" testing to have this project done
there. Would you want to live here knowing
any accident ~~at~~ ^{at} of these rockets being launched
is possible? Wouldn't you feel concern enough for
the children and animals and other living creatures
being subjected to the danger of the transport of
hazardous chemicals to stop this from happening
on Kauai? Please, do anything you can to
stop this project for the benefit of Kauai's citizens
and anything that makes this a special

1

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE

KWAJALEIN ATOLL

and disturbed home.
Also, if anything did go wrong and an accident occurred with the transport of chemicals or the rocket launches - can you imagine what the effect would be to the tourist industry?
Visitors would not only avoid Kauai but perhaps Hawaii altogether. Now that would be an ominous economic disaster for sure. So, for the sake (and thousands of jobs that go with it) see of our visitors industry, you must see that the story news ultimately is a risk economically as well as environmentally, and will affect the well-being of all residents detrimentally.

Thank you for your attention and support.

Sincerely,
Martha Lee

P.S. Let's not be blind to the lessons of Kwajalein Atoll - we would be killing our own selves to continue with this project.

1

2

3

1

The Kauai, Kauai News revealed
that most come to an end.
It's time to cut the
military industrial complex out.

out of Kauai
at the Marshall Islands
it's time to stop the war
Bob Sato
Hawaii
7/27/86

**KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL**



MISSILE IMPACT IN THE
KWAJALEIN ATOLL

My name is
Levi Moore. I
am 11 years
old. I live
on Kauai. I
am very
worried about
the way the
"Star Wars" program
is going to affect the lives of
people on it in Hawaii & especially
the Kwajalein Islands. Let
me because neither
the small amount I do know
about the war going to happen.
I know those will be terrible
has been damage done in the
Kwajalein Islands.

Please do all you can do to
stop this war me & everyone
who will experience the effects.
Sincerely, David Moore
Rox 1725 Kauai, Hi.
96714

**KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL**



MISSILE IMPACT IN THE
KWAJALEIN ATOLL

E. UNANIAN
PO BOX 698
Hanalei, HI 96714

3/22/92.

1

Dear Senator

Please do your best to prevent Hawaii from becoming
U.S. Army's testing ground for destructive weapons.
Also please tell respect, and help victims of missile
lands.

1

WR391

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL

How about a
"no - idea you
can fire the
missiles from
the Kennedy space
center out toward
the continental
United States?
Let them fall
down where ever the
street. Keeping -
killing entirely within
the boundaries of Continent and Polynesia,
U.S.A. That way the
people "for laying
military con see what is want something
being done. We don't
need to send anything out. Atomic weapon
to the U.S. made so big and P.C. Box 1364
the Marshall Island People". He #74



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

2-333

WR391

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL 3/22/93

Dear Senator,
I was
and thought I
would have
done too
at Kauai. I went
not want our
country to
be destroyed.
I wonder if the
missiles hitting
the woodpecker
was bad. I want
you to return to the
Marshall Islands
so you can understand
what we are doing.



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

1

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1

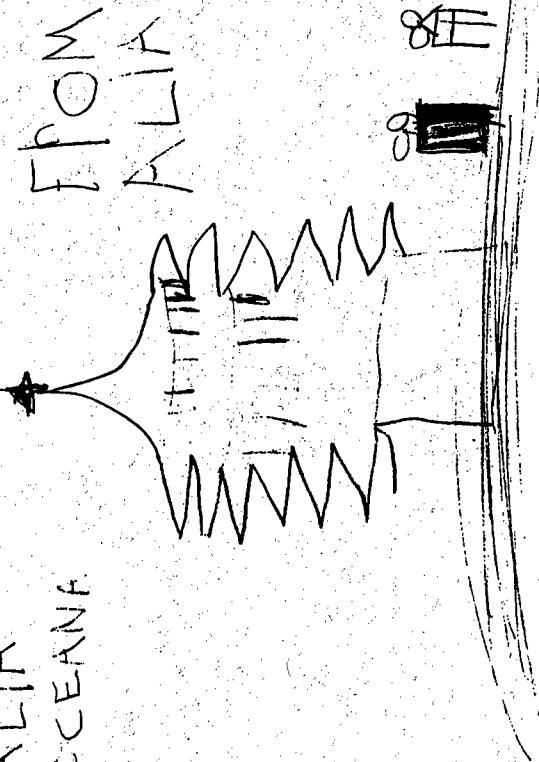
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



WPS32

LOVE
ALIA
OCEANA

MISSILE WARHEAD IMPACT IN THE
KWAJALEIN ATOLL



KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



WPS33

March 22 1992

Citizen-Triwye,

As a citizen of Kauai I protest
these missile launches to Kauai.
These people have suffered terribly
at the greedy hands of our government
and deserve respect.

Please halt the star wars missiles

NCW!

signed, Priscila Wiczewski

Malika Wiczewski

Gen. Delivery
Avirola, Hawaii 96703

WR394

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



March 22, 1992

Dear Senator Inouye,

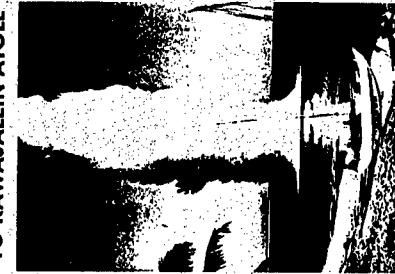
I am writing to you to make known my total objection to further testing being done on any of the Marshall Islands. In particular I object to the Island of Kauai being used as a test of their testing and infringement of the pacific people in connection with nuclear weapons.

I am from Kauai and a resident of the island. It is in your power to act on the wishes of the people of this state. I hope you give this issue a great deal of thought.

Respectfully yours,
Robert G. Bentz

WR395

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



14 March 12, 1992

1

Dear Senator Inouye,

I am writing to you to make known my total objection to further testing being done on any of the Marshall Islands. In particular I object to the Island of Kauai being used as a test of their testing and infringement of the pacific people in connection with nuclear weapons.

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WR396 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

I do not support the missile launches on Kawajalein Atoll. They have human rights, need our respect. I want a moratorium on missile launches to Kawajalein Atoll. Stop now! Listen to our needs (now). I demand that you stop this inhumane practice now.

WR397

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Mercedes White
Pic Box 21C
Louisville, KY 40265
(502) 332 8884
19 March 1972
Honorable Senator
The Honorable Adam Horowitz
United States Senator
722 Hart Senate Office Building
Washington, DC 20510

Honorable Sir,

My name is Mercedes White. I am a resident of the Island of Kauai, married with 3 children and a professional artist. As a registered voter I am writing to you because I have just viewed the film, Home on the Range, produced and written by Adam Horowitz that depicts life after a missile launch occurred in Kwajalein Atoll. I am asking that a

moratorium on missile launches be put into effect immediately. Human rights are being violated on Kwajalein Atoll. This has a direct responsibility to stop this practice. I appreciate your attention to this matter, merci's white.

Linda Churchill
5394 Kuakaha St.
Hawaii, HI 96723

WR398

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

WR398

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL



Dear Senator -

Please use the authority and position of your office to cancel this "status" program on Kauai. Negative effects of this program are numerous - notably, authority and in other ways in no way merits its development here.

Please Senator - I have lived in Kauai now for sometime and it is clear to me that many local people, ~~including~~ only in terms of the immediate, the long term picture more weight than the immediate. Isn't it time to give the words of Dr. Sorense instead of? Please consider the price of these of us who are not involved enough to write to you. Please use the knowledge in our possession to help you work with indigenous people. Please note a group have been exposed to bad air pollution from the military over there to the status program. I am sure the money powering the military over there can be put to other uses. Please consider clearly your options and I trust you to hear us, and vote against this.

With thanks -
Lynn M. Jacobs P.O. Box 6029, Lihula, HI 96762

WR399

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL



Dear Senator -

Please use the authority and position of your office to cancel this "status" program on Kauai. Negative effects of this program are numerous - notably, authority and in other ways in no way merits its development here.

Please Senator - I have lived in Kauai now for sometime and it is clear to me that many local people, ~~including~~ only in terms of the immediate, the long term picture more weight than the immediate. Isn't it time to give the words of Dr. Sorense instead of? Please consider the price of these of us who are not involved enough to write to you. Please use the knowledge in our possession to help you work with indigenous people. Please note a group have been exposed to bad air pollution from the military over there to the status program. I am sure the money powering the military over there can be put to other uses. Please consider clearly your options and I trust you to hear us, and vote against this.

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KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACT SITE IN THE
KAWAJALEIN ATOLL

Dear Senator Inouye,
I am surprised at the striping trapping
of the people & land of the Marshall Islands.
Please withdraw all missiles & testing of missiles
from Oahu. We have no right or time
to continue this desecration & destruction
without compensation. Please stop this!
We have innocent people & right to safety & dignity!
Call us home in the Pacific! Right to safety & dignity!

Wendy Mitchell
PO Box 630
Kauai, HI 96751

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACT SITE IN THE
KAWAJALEIN ATOLL

Dear Senator Inouye,
I have been an action opponent of the Stars
program for two years. I sincerely believe this is
an act of madness on the part of our government to
fire missiles into the land of the indigenous people of
the Marshall Islands. We have brought death, destruction, disease
and completely destroyed their way of life, their culture,
their reason for being. We on Kauai are outraged at this
and outraged that our island should be used as a launch
pad. Take the needed steps, Senator to make this a more
human world. The power is in your hands.

Sincerely,
Larry Barcott

WR401

WR400

WR402

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

From David S. Smith
Chairman
P.S. Hawaii

WR403

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

To Honorable David Troxel

Please, please stop the planned missile launches from Lualani to Kwajalein. The Kauai's ozone and environment is far too important to risk our Native Hawaiian population's respect for their lands as well as the Kwajalein people.

Please respect the aim of no missile launches from Peaceful Braided Kauai.

Sincerely, Carol Diamond

P.O. Box 536
Lanaihi 96765

March 19
1992

Dear Brother Itoye,
I ask that you take a strong stand against the testing of missiles. The ozone in which this has affected the Marshall islands is dangerous. It has made me truly ashamed to be an American when we displace and destroy the culture of the Marshall islanders. This testing must stop.

I ask you for your support
and attention.
1702 N. Kahu, H-2
96765

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL

WRMOS

To all who are concerned about our future:
Thank you for taking the time to seriously consider a decision that will have an impact on our lives.

There are many issues combined in this current vote about Star Wars and there are many of us who feel very strongly about each of them. When you consider giving an okay to Star Wars, it is a vote against much that we feel is precious, and much that has been taken for granted and abused in the past by the military-industrial complex of the United States: our land, our air, our water, our planet - all obviously critical to our survival as a species.

Political enemies come and go, as we have been blessed to observe in the last few years. If we continue to squander our resources defending an obsolete "us versus them" model of the world, we will only make our tasks more difficult as we turn our attention to reviving an injured planet.

Star Wars is an ill-conceived program. There are far too many risks and recorded failures to defend it intelligently. We can't afford to continue throwing money down the drain, nor can we continue to abuse our environment and expect that we will be sustained on earth as healthy peoples capable of responding to the challenges ahead. The costs to the environment have not been calculated or addressed. The costs to the world of wiping out indigenous people's cultures for the sake of industrial expansion have not been calculated or addressed.

We don't even know yet how much we have jeopardized or already lost. It's time to change our directions - to allow new alternatives to emerge, to use some of our resources to invest in restoring and sustaining, to SHOW SOME RESPECT FOR OUR EARTH, OUR FELLOW BEINGS, AND OUR FUTURE.

Thank you for your serious consideration. It can only lead to a NO vote for STAR WARS and any further military escalation on Kauai. and Please - repatriate the Marshallese from Ebeye to their land.

Respectfully submitted,

(Signature)
Chair
PO Box 1525
Hanalei, Hi 96714



MISSILE IMPACT IN THE
KAWAJALEIN ATOLL

7-19-92

1

Michelle Stein
7-19-92

use for US live money. This people of
the Marshall Islands had a little trouble of
living under Tyrannical Rule. Please
not messes.

(Signature)
Michelle Stein

Michelle Stein
1384 Kehia Hwy
Lanai HI 96746

WR406

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL

MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

WR407

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL

MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

DEAR SENATOR, I KNOW,

AFTER THE VIEWING OF THE FILM HOME
ON THE RANGE, I AM ASHAMED OF
AMERICA. I HOPE THAT YOU WILL BE ABLE
TO CONVINCE THE OTHER SENATORS THAT
WHAT'S GOING ON IN THE PACIFIC IS TOTALLY
SCREWED, AND THEREBY INSTITUTE SOME
CHANGES. MAKE US PROUD TO BE AMERICAN
AND HELP US PACIFIC ISLANDERS LIVE IN
OUR NATURAL WAYS. MHALO

KELLY KEOUGH
P.O. BOX 418
KAUAI HI 96765

1
DEAR SENATOR, I KNOW,
PLEASE ASSIST US IN STOPPING THE USE
OF KAWAJALEIN ATOLL AS A TESTING SITE.
AT SOME POINT WE MUST STOP OPERATING IN
ONE ANOTHER. OUR FLOOR HAS LED US TO
MURDER, INNOCENT PEOPLE HURT, OUR CHILDREN
WILLING TO HURT US, I STRONGLY SUPPORT STOPPING
THE USE OF ALL TESTING SITES. THANK YOU FOR YOUR
EFFORT. YOU ARE OUR BEST HOPE.

CAROL ANN WILSHIER
PC Box 1505
Kauai HI 96744

WR409

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

I offer my support to the people of the
Kwajalein Atoll. We can never fix the damage
that has been done, by the U.S. government, to
their homeland and 'lives'. But we can prevent
future damage by stopping all missile launches.
It is hard to fathom what we have done to these
wonderful people. We must stop the damage & destruction.

Karen Jason Piliotti
P.O. Box 870
Kilauea, HI 96746

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

To whom It may Concern's

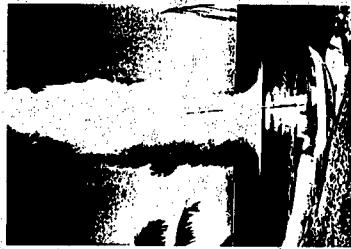
The conditions when the
people would be exposed to nuclear tests
as a result of a confrontation or only
missile activities is just not
tolerable.

With this in mind I respectfully
request that the proposed Moratorium be
implemented without further delay.

Michael A. Connini
C-130 Delivery Kapaa
H. 96746

WR10

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

Sent to -

I trust you personally responsible
for the terrible conditions on Okinawa
for the native people. Yes it is
apparent, but just as malicious
is the treatment of the Kanakas
native over the last 100 years.
I trust you personally responsible
for the last 30 yrs in Congress.
P.O. Box 372
Oahu, HI 96703
A.J. Treel

WR11

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

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"Aloha Anna"
From the Hawaii Ohana
"Protect Haleakala
Organization,
Stop the Bombing and Missile
Bobboya Green Project
P.O. Box 1328
Lihue HI 96766

WR#12 KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE IMPACTS IN THE
KWAJALEIN ATOLL

Dear Senator - DeNoue,

If indeed you believe as I do that the people in Kwajalein are also human beings, you will do whatever you can to stop this insanity.

Masilayn Miki Kaupaka
80 Box 181
Hanalei, Kauai 96714

WR#13

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE IMPACTS IN THE
KWAJALEIN ATOLL

March 23, 1992

To Senator DeNoue,

I have just witnessed the

film "Home On the Range" illustrating

The tragic fate of the Marshall Island people on firebey^e due to U.S. Missile testing.

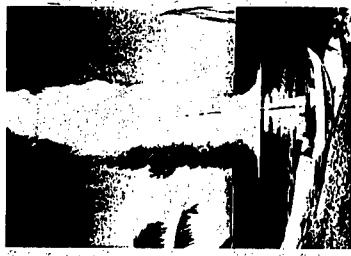
Please do your best to

Correct this situation.

We do not want Dale M. Dry bbs
P.O. Box 321 Kilometre 1 Kauai
own missiles to be launched from Kauai!
Kauai 96754

WR414

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEN ATOLL

WR415

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEN ATOLL

Aloha Senator Inouye -
Please treat all your constituents
intelligence to stop this missile on Kauai.
For the Hawaiian People - For the people
who have both adopted and born adopted
by this Island - For the children -
today and tomorrow - And for
the sake of God - who made this
island paradise -

Help us all
Searns (Sally) C. Daniel
MSC 194 - PO Box 3500
Pineapple Hawaii 96722

2-345

1

Seafar Thoye

I want military testing to
be ended on (Kauai) of course
(Sand)

Gincerely,
Betty J. Owen
(C. Lava, HI
A6154)

WR416

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Please don't let our
island die!
Don't want other words
here.

J. Roseford
Bob 269
Kapaa, HI 96746

WR417

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

This is so obviously absurd! To neglect
human rights, environment, common spiritual values,
much more than neglect but ABUSE! STOP IT NOW!
Is it really necessary to exploit Kwajalein atoll so
severely, with such lack of respect for the first
peoples there?! This is insane.
Colin Beach (General) Delivery hihue 96746

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL

Robert Marcell
P.O. Box 3009
Princetown, HI 96732



MISSILE WARHEAD IMPACT SITE KAUAI ISLAND

Robert Marcell
U.S. Senate Senator
722 Hart Senate Office Bldg.
Washington D.C. 20510

March 22, 1992

Dear Senator George,

The Pacific Islands, especially Hawaii and Kauai, have been my homeland since I was 10 or 12 years old. These islands have a special and extremely sensitive ECO System that must not be disturbed or placed out of balance; which is exactly what shall occur should the madness of this STAR WARS SCHEME go on. That is being forced on people here on Kauai. You have a moral obligation to insist on stopping of the Hawaiian and all people a representative of the Hawaiian and a restoration of the of Hawaii. And to insist on a restoration of the Marshall Islands and the Marshall Islands people and their islands!

For Gods sake - STOP STAR WARS !

Respectfully

Robert Marcell,
Candidate for Governor,
of the State of Hawaii '94

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL

WR419

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACT IN THE KAWAJALEIN ATOLL

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KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES

TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACT IN THE KAWAJALEIN ATOLL

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WR418

WR421
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Lihue, 3/19/92

Dear Mr. Tooyoge,
as a friend of the Hawaiian Islands and as a physician I'm very concerned to hear about the situation of the Marshall Islands people on Enewetak. That tragic Hawaii being occupied and used as a missile launch platform and place where Hawaiians, American citizens being sent away from their homeland to a place with no jobs, hardly any land and poor conditions. International laws, human rights and your Constitution should obligate you to help Marshallese people to regain their dignity and a worthwhile living conditions. These experiments with human beings must stop.
Please let me know if I can help in any way, why don't you first in Anticape or better leave it at all.

Show some respect for the Marshaller culture or any culture different from the American culture!
Get out of Marshall Islands stay on US Territory!
Christine Knops, Rehdt. 10, 7982 Raadlt, Germany

WR421
KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

March 19, 1992

The Honorable
Senator Donald K. Houye
Senate Office Building
Washington, DC

Respected Senator Houye,

Hawaii just viewed the documentary film "Home on the Range", depicting the human costs of the "Star Wars" missile defense program on The Marshallese people. I am many of my Kauai friends in urging your help to halt the plan to launch missiles from Kauai to The Kawajalein atoll.

With sincere thanks,

Respectfully,

Maria C. Snyder
P.O. Box 58
Kapaa, HI 96746

WR42

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

THE HONORABLE CONNIE K. MOORE,
I HAVE LIVED ALL MY LIFE IN HAWAII, 39 yrs.,
AND HAVE MET YOU AS A CHILD.
I AM ASKING YOU TO PLEASE STOP IMPACTING
THE PEOPLE OF THE MARSHALL ISLANDS WITH
OUR MILITARY TESTS. AFTER VIEWING "HOME
ON THE RANGE" I WAS SHOCKED TO SEE WHAT
HAPPENED TO THOSE PEOPLE AND WHAT LIED
IN THE FUTURE FOR THEIR CHILDREN. I'M SURE
THEY DESERVE IMMEDIATE ATTENTION AND
THE MISSILE TEST THAT SHOULD BE STOPPED
AND REVIEWED.

MARY M. D.,
24 ACRES 250 CONCH

PO BOX #96
MANALEI, HI
96714

(608) 826-9000

WR423

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

Sincere Gratitude
The situation
in the Marshall
islands is deplorable.
Disgusting and unfair
are unbecoming to
be an American.

What I am offering to is how the U.S. military
has displaced the Marshallese people from
their home lands, and how as Guineas pigs
for nuclear radiation experiments, and robbed them
of their dignity as human beings and God's
children. These kinds of atrocities toward
less powerful people must stop. Please
use your power and influence to stop
STOP WORKS faster on Hawaii and in the
Marshall Islands. Thank you.

Ken Jones
P.O. Box 1659
KOLCA, HI 96756

WPA24

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

Dear Sirs -

I am dead opposed to the
Star Wars war project here on Kauai.
It would offend us any other
location. you can also include space
exploration.

Also that the facilities in the
Marshall Islands and DMZ
and the testing is removed from
Kauai.

Raymond C. Reich
3411 Victoria St
Lihue Kauai HI
96766

WPA25

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KAWAJALEIN ATOLL

1

Merry Mendelson

Box 992
Accident Co 95765

The Honorable Daniel Inouye
United States Senator
U.S. Senate Office
Washington DC 20510

Dear Senator Inouye,

As a frequent visitor to the island of Kauai, it's
disturbs me so much that missile launching to
Kawajalein Atoll is still occurring. Being a mother
concerned registered voter and activist for human
rights, I don't want Kauai to be another / toxic
pad like Eggers, Marshall, or Kure and Pecc
cannot be compromised! Please help me plea
for a moratorium on missile launching to Hawaikai.
Holl.

Gincerely
Merry Mendelson

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KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL

WR427



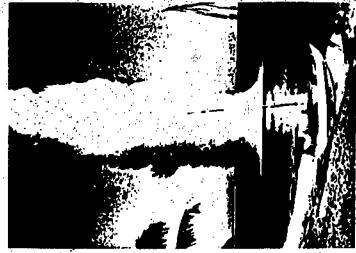
From
Gerard Wells
P.O. Box 345
Kauai, HI
96754

MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

Dear Senator Inouye,

I have met you at your fundraiser, however on November last year when you stated that an ETS would not be required before Star's testing, we have come to respect you as a man who is truly concerned about the quality of life for all peoples. We trust that there is something which can be done to help the Marshallese people whose lives have been sadly affected by U.S. military testing. There must be a way to restore to these people their land and hence their health and dignity. This would be a good time (politically and economically) to reduce military expenditures and also stop setting precedence for weapons in space. Thanks for your ear. Peace be with you.

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KWAJALEIN ATOLL



MISSILE WARHEAD IMPACTS IN THE
KWAJALEIN ATOLL

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from
Felicia Budin
P.O. Box 345
Kauai, HI
96754
328 2056
Mar. six, 1992

Dear Senator Inouye,
I support the motion that the Marshall Islands not be used as a location for testing missiles. The indigenous people should be respected. If America's first has been littered with such atrocities and similar offenses should no longer be continued. Please use your influence to see that these people are restored their land and their dignity.

Respectfully,

Felicia Budin

WR426

WR428

KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL



MISSILE IMPACTED IN THE
KAWAJALEIN ATOLL

Another missile.

Please do what you can to keep the missile off of Kauai. This is just the place to launch these things. The people in Hawaii don't realize this imperative just makes the island immune to be annihilated.

In this fashion the people of Kauai do not want this here, you can't move them but them know what we want.

University
Glen Bissell
P.O. Box 3703
Lihue HI 96766

WR429

1

Dear Senator Snowe C,

I urge you to please, using all the power you have,
stop the Star Wars
program from becoming
a reality to our country.
The H.G. Wells I-L Class
missiles from Russia & China
are not far away.

United States Senator
722 Hart Senate Office Bldg
Washington, DC 20510
This letter is from Kauai, Hawaii

1

116

Dear Sonora - I want to start with
the things I am going to do.
I want to go to Canada.
I want to go to Mexico.
I want to go to the United States.
I want to go to Japan.
I want to go to Australia.
I want to go to New Zealand.
I want to go to South Africa.
I want to go to India.
I want to go to Australia.
I want to go to New Zealand.
I want to go to Japan.
I want to go to Mexico.
I want to go to the United States.
I want to go to Canada.
I want to go to Mexico.
I want to go to the United States.
I want to go to Canada.

See
Hedgehog
Mammal
4/17/2012

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR/130

WATER

2-353

WR432

Dear Hon. Inouye: 3/22/92 Robert M. Keasey Jr.

Re: Atk 3018
I do not want missiles fired Princeville, HI, 96722
or tested on Kauai, Hawaii or any other
island in the State of Hawaii. I lived on the
island of Kauai between 1958 - 1953 and
1956 - 1959 returning to Hawaii for 1959
and. America had recently lost
Marshalls People and totally destroyed
their islands during the Korean War.
Life style, all the island of Kauai
are to precious to be ordinary destroyed.
Stop your Program, probably
Stop that Island. Consider for those people.

WR433

From:
Deborah Forester PM 968
P.O. Box 867 9 APR
Kilauea, HI, 96754 1987

NO MISSILES

ON KAUA'I, we
care about our lives
and our children's
lives.

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510



From:
Deborah Forester PM 968
P.O. Box 867 9 APR
Kilauea, HI, 96754 1987

WR434

1

THURS NIGHT HAWAIIAN

AT THE
PLACE!
KALUA HI

AT 7:45

LIVE! READING STATION

WEBSITE
LIVE
AT 7:45 PM
UNITED STATES SENATE OFFICE BLDG.
WASHINGTON, DC 20510

RECEIVED
AT 7:45 PM
UNITED STATES SENATE OFFICE BLDG.
WASHINGTON, DC 20510

JUST SAW "NO"

AT 7:45 PM
UNITED STATES SENATE OFFICE BLDG.
WASHINGTON, DC 20510

TO:

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

QUN
[REDACTED]

Dear Senator Inouye, 4-11-92
 I urge you to oppose the SDI program particularly in Hawaii. I'm a fifteen year old and with programs like this fifteen years from now I'm growing up in what kind of world? I'm scared of the future for myself, the world and my children. I don't and am sure you don't want to see Hawaii to be a target due to SDI testing here. The cost is over and our nation can not afford this extremely wasteful, costly, and harmful program. Please oppose all further appropriation for SDI particularly in Hawaii. Thank you,
 Amelia Borofsky

Sincerely,
 Amelia Borofsky
 4-11-92
 Local population and
 previous nuclear tests
 to be signed. Please
 help us for the health of our children!

Amelia Borofsky
 84 Kapiolani St.
 Kailua, Hawaii
 96734
 METER #3
 112-112

Senator Inouye
 U.S. Senate
 Washington D.C. 20510

State Name
 Recipient Name
 (S2-104)

WR436

WR435

Dear Senator Inouye:

the draft EIS for the Strategic Target System used 1979 space vehicles which and failed to raise from 10 or more places in the vicinity concluding impact on tourist industry.

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

WR437

Louis Perrotta, Jr.
 PO Box 1705
 Lihue, Kauai, Hawaii
 96766

10.

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

WR438

United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR440

Dear Senator. Help
Is this the way
we want to treat
our most precious

gifts? Are we not
allowed to preserve
what is best on our
planet? Why save the
dolphins if we risk
endangering the people?
Sincerely, Tom F. Nease
PO Box 648 Kekaha HI 96752

Dear Senator,

I am a marine biologist and part-time resident on Kauai. I am opposed to implementation of the Strategic target system and any STARS related activities on Kauai. My main concern is that environmental impacts, especially marine environments have been inadequately addressed. I plan to make an oral and written objection to STARS during public hearings on Kauai. Please consider my concerns.

Sincerely, Tom F. Nease

PO Box 648 Kekaha HI 96752

WR449

D. FRIEDMAN
Co/1 Ocean Rd.
KAPAA, HI 96746



To: The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR450



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

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Not allowed to preserve
what is best on our
planet? Why save the
dolphins if we risk
endangering the people?

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My best
Nichelle's Effry:
1384 Kuhio Highway
Kapaa, HI 96746

WR441

Dear Senator.

1
I may be younger
than most people
who will write but
we want this beautiful
place to be here
when we are older
like us go older
support us in saving
it. Mahalo [Signature]
Wallie's [Signature]
Nichelle's [Signature]
1384 Kuhio Highway
Kapaa, HI 96746

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR451

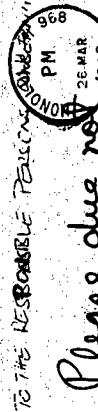
WR452

WR442

Dear Senator Inouye -
 Everytime I hear about what they're
 planning to at P.M.R. F. I can't believe
 what they say - it sounds crazy. Please
 try to stop them.

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

Hawaii is much too
 small and beautiful for ~~any~~
 to be taken. Thank you, ~~for your~~
 PO Box 1000
 Honolulu, HI 96808



TO THE HONORABLE DANIEL K. INOUYE
 722 HART SENATE OFFICE BUILDING
 WASHINGTON, D.C. 20510
 26 MAR 1992
 USA 29

Please due no
 due this to beautiful
 land. Please stop
 and think is this
 what we want to
 due to this beautiful
 Island - Thank you
 many thanks, Hawaii, HI

92-19
 The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

WR444

1

Everytime I hear about what they're
 planning to at P.M.R. F. I can't believe
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The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

Hawaii is much too
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 PO Box 1000
 Honolulu, HI 96808

WR443

1

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 Island - Thank you
 many thanks, Hawaii, HI

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510



1
 26 MAR 1992
 USA 29

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

92-19
 Please stop
 please take the
 military off of
 Kauai, &
 the Marshall Islands -
 keep Hawaii!!!!

WR445

1

Please due no
 due this to beautiful
 land. Please stop
 and think is this
 what we want to
 due to this beautiful
 Island - Thank you
 many thanks, Hawaii, HI

The Honorable Daniel K. Inouye
 United States Senator
 722 Hart Senate Office Bldg.
 Washington, DC 20510

WR446

Box 254
Kekaha, HI
96752



25

No Misses in
Paradise!
Please!!
Mistral,
Mendik, Pape
Fernandez

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR447

JAN GREENBERG
P.O. Box 1310
Honolulu, HI
96714
35 MAR 1968
SNOH

PLR #2

PLEASE
Save Kauai!
"No Star Wars"

Jan Schenkling

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR448

want star wars project
here. We must think of the
future of the island and
the people living here, not
just a few who want to
fill their pockets of their
money now. This precious
island cannot withstand the Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
We abuse such a program. Please
and email: PLER#2
help stop this madness!!!!!!

WR449

1
29 MAR 1968
WR449
Dear Sir,
A short note asking
you help in pre-
venting the Star Wars
missile launch site
from being on the
island of Maui.
We need an alternative
for our fair income
such as tourism.
Thank you
P. O. Box 401
Honolulu, HI 96723

WR452



Cori Nichols
5298 Makaha
Lapaa, Hi. 96746

No. Missiles Please //

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

WR451

2-359

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

3/28

Dear Senator
5521 Kuemana
Kapaa Kauai

In representing the people
of Kauai please take
a stand against testing of
the Star Wars Programs.
Do not be one of the people
who look back on to
and regret participation
in a short - sighted, self - serving
and disastrous program.

To

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

1

WR452



Cori Nichols
5298 Makaha
Lapaa, Hi. 96746

No. Missiles Please //

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

WR451

2-359

3/28

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Kapaa Kauai

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Do not be one of the people
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and disastrous program.

To

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

1

WR452



Cori Nichols
5298 Makaha
Lapaa, Hi. 96746

No. Missiles Please //

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

WR451

2-359

3/28

Dear Senator
5521 Kuemana
Kapaa Kauai

In representing the people
of Kauai please take
a stand against testing of
the Star Wars Programs.
Do not be one of the people
who look back on to
and regret participation
in a short - sighted, self - serving
and disastrous program.

To

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Kila Gabutin
3240 Sterling Ave.
Alameda, Ca. 94501

My daughter + husband
live on Kauai and I
visit yearly. It is
not a place for me
to do nothing
but harm the
island

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

2-360

Alaha Senator -
The People here
oppose - "No"

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

missiles on Kauai
you are the
jewel to get
missiles to be heard
our voice be heard

Sister Anne
P.O. Box 372
Anahola, Kauai HI 96703

WR56

1

WR55



WORKS

May 1988
po Box 179
Anahola Kauai HI 96703

The Honorable Daniel K. Inouye
United States Senator

722 Hart Senate Office Bldg.

Washington, DC 20510

WR57

1

WR55

Mr Inouye I would like to thank you very much
for your help. I have done a lot of work
noticed you were app living in Hawaii
and saw you during the committee you headed
during the investigation of the illegal
funding in Nicaragua. I was very impressed
with you and I am asking for your help
in stopping the Star Wars Launches on
Kauai. I believe this Island and its
people are very beautiful and caring and
for such a thing as missiles to be launched
or even near is wrong. I will fight for
you will hear from me and help thank you
Mark Masters 990 Lekia Place Kailua 96746

E 1.88
EX 88 10/4/88
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.

1

1

Tan
stop SDI on
Kauai.
Remember the
time. Stop the
long and
dangerous
project



WR458

3/19/92

Dear Sen. Inouye:
I ask you, as our
state senator and
head of the Defense
Finance Committee to
stop the funding of
the SDI. This is
very soon from one
designed island of kauai:

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

July 19, 1992
Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR459

2-361

Mr. Hon. Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

I ask you, as our
state senator and
head of the Defense
Finance Committee to
stop the funding of
the SDI. This is
very soon from one
designed island of kauai:

to prevent our basic
environment damage to
our island - the ocean
layer as also the
Atmospheric layer. This is
an unnecessary project. This is
not in the public interest of our
country and our
citizens.

Cent. East

July 19, 1992
Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR460

WR461

1



July 19, 1992
Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR461

1

the citizens of this country need
food, shelter, education
basic services from our government.
Our children are going uneducated
and our citizens are
failing fast tracked. Our youth
is maxed out and wondering
what future resources
will be left for them. the excessive billions spent
to 'protect' us from unseen 'enemies' is a crime
why should every child born today owe \$100,000 to our
government for a debt they didn't create?
To 237 Kualau Road, Apt. #202, Kapaa, Kauai, HI 96746

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

1

July 19, 1992
Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR462

WPA64

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

Dear Senator Inouye,
This is to inform you
that I feel very strongly
that Karaw is not the
place for funding the
people of Karaw. The impact
of what has happened to
the people of Karaw is
equal to if not greater than
what we have done to
the people of Vietnam. Please
stop this now! Chris Bernard

Chris Bernard and
20 BX 3002
Liaison Office
10 APR 1968

1

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
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SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

WPA65

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
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SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
P.O. Box 1499
Honolulu, HI 96734

WPA62

Chris Bernard and
20 BX 3002
Liaison Office
10 APR 1968

1

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
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SUBJ: KARAWA FUNDING

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SUBJ: KARAWA FUNDING

1 PM 14 APR 1968
TO: U.S. SENATE, WASHINGTON, D.C.
RE: THE PEOPLE OF KARAWA
SUBJ: KARAWA FUNDING

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
P.O. Box 1499
Honolulu, HI 96734

WPA63

WR468

DEAR SENATOR:
LET'S PUT A STOP
TO THE
MISSILE LAUNCHING
IN THE PACIFIC
MASSACRE

THESE ISLANDS TO THE
NATIVES TO LIVE AS THEY
WISH & HOPE TOO. THERE
IS NO PLACE FOR 9000+
CITIZENS TO LIVE AND HOPE
FOR A FUTURE. HOW WOULD
YOU OR I FEEL LIVING IN
THESE CONDITIONS
FRIENDS 27
KAPAA HI 96754



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

the plight of the
people on the
island of
Marshall Islands.
I cannot believe
what I have seen
in movie "Kino no
nae"
the last

WR467

HONOLULU, HI APR 9 1992
PM

Senatorial
Please check
the plight of the
people on the
island of
Marshall Islands.

what I have seen
in movie "Kino no
nae"
the last

27 Oahu Hawaii HI 96754

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR469

1



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Please do your part
to stop the madness.

Niklas Andersen
1384 Kamio Hwy
Kapaa HI 96746



WR468

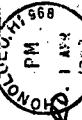
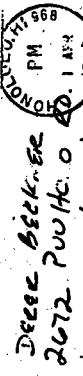
WR472



Dian Senator

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Please help us!
Please do not allow
the stir wurs project to begin on
the island of Maui. Having just
viewed home on the Range" mdk -
us scared for our homeland. Please help!



Hawaii 96756

Please help us!

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

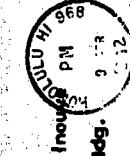
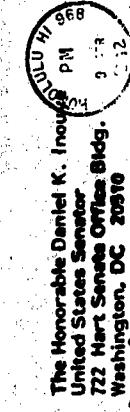
Please help us!
Please do not allow
the stir wurs project to begin on
the island of Maui. Having just
viewed home on the Range" mdk -
us scared for our homeland. Please help!

WR473

John Senator:
Please stop the
Missle Launching
at Boeing Island
Kaneohe
Kaneohe

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

Please help us!
Please do not allow
the stir wurs project to begin on
the island of Maui. Having just
viewed home on the Range" mdk -
us scared for our homeland. Please help!



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

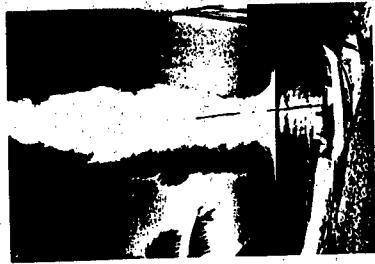
WR473

Dear Senator,
I have a degree in Environmental Science
from the University of California and am currently on
the Island doing research on Hawaiian waters. I have read
the Draft EIS and must say it is not up to the paper
it was printed on. It is especially inadequate in regards
to the effects of the new shore marine ecosystem
which would harm the marine life in abundance. I strongly
oppose any states related activity taking place in such
a delicate environment. Sincerely, Dan Stiles

20, Box 628 Kekaha, HI 96752

WR474

**KAUAI CITIZENS CALL FOR A MORATORIUM ON MISSILE LAUNCHES
TO KAWAJALEIN ATOLL**



MISSILE WARHEAD IMPACTS IN THE

Dear Senator Inouye,

We do **NOT** want Star Wars on Kauai (or anywhere else) and we do want the Marshall Islands to be respected.

Sincerely
Angela Villan

of the world population place exercise
best efforts to half all "STAPS" needed
act is fast worldwide. Please no "STAPS"
private launches or fees!

Tugrid Tillman
P.O. Box 818
Hudson, HI - 96754

卷之三

147

560
S. 27th Street
Philadelphia
Pennsylvania

Please no
packets!

United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

卷之三

Dear Sandoz,
In your last interests of Kew, "Hans",

of the world population place exercise
best efforts to half all "STAPS" needed
act is fast worldwide. Please no "STAPS"
private launches or fees!

Philip Groom
P.O. Box 1120
Richmond, H.T. 96741

2-366

WR400
Perrydogmar
520 Phaleron St.
Kapaa, HI 96746



!!!

Perrydogmar
520 Phaleron St.
Kapaa, HI 96746

Patricia K. Iakapa
722 Hart Senate Office Bldg.
Washington, DC 20510

1

WR400
Charmaine F. P. Iakapa
P.O. Box 234
Hanapepe, Kauai, HI 96756



I feel very sad and very angry
that the Marshals have been
dumped upon us.
The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510
Nuclear weapons
should not be based in the islands.
They should not be in the front
yards of those who want them gone.

No STAR
WAR MISSING
FROM KAUAI
OR ANYWHERE
PLEASE!

1

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WR402
Alaska -
My daughter
lives in Scotland - District
This beautiful peaceful place.
Please DO NOT continue the
Space program. It is dangerous!
Mihalo B. J. Jr., 17

1
B. JARVIS TO →
5631A HANAACA RD.
KAPAA HI 96746

WR403
Patricia K. Iakapa
P.O. Box 234
Hanapepe, Kauai, HI 96756



The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

1

DEAR Sir,

I am in complete opposition to
the firing of
test rockets, nuclear or otherwise,
to and from Kauai, HI off the
Pacific Islands. PLEASE HELP KEOA
K.O. Box 448
LAWAI HI 96765

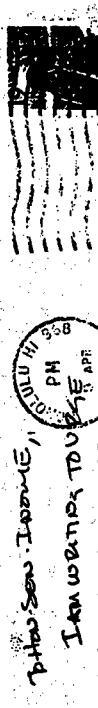


WRASS

Dear Sir,
Please join myself & many other
residents of help and oppose of
put on land to mine testing
on Kauai.

Thank You,
Sincerely,
Paul J. Bass

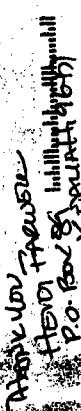
1490 A/A RD
Kapaa, Kauai HI 96746



WRASS

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

DEAR SENATOR INOUYE,
I am writing to you
about the threats to
stop the streets led
massive land invasions on
various islands TD
create a nation-wide
but massive land invasions
in the state of Hawaii.
Please do your best to
stop these invasions.



WRASS

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

DEAR SENATOR INOUYE,
I am writing to you
about the threats to
stop the streets led
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various islands TD
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but massive land invasions
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Please do your best to
stop these invasions.



WRASS

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

DEAR SENATOR INOUYE,
I am writing to you
about the threats to
stop the streets led
massive land invasions on
various islands TD
create a nation-wide
but massive land invasions
in the state of Hawaii.
Please do your best to
stop these invasions.



WRASS

I was walking ~~near~~^{on} the beach
at Polihale when I spotted ~~two~~^{two} flocks
of fusilages laying on the beach.

This is indicative of how clean the military is! The Army does the F15 with what incentive to police themselves?
? I DO NOT WANT MISSILES LAUNCH FROM KAUAI!! (Collin Leach 9/26 General Delivery like

WR400

10 22x 626
CETIC METTLEED

Re: Honorable Daniel K. Inouye
United States Senator
12 Hart Senate Office Building
Washington, DC 20510

No Rackets
in Phenress

卷之三

四

2-369

March 14, 1972
Bonne Bunge
I expect him to
visit our island
again

change & the ecological
system, so it is totally necessary
(if I wanted white flowers)
to purchase more. Please
keep a nation like as before.

卷之三

१४

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Building
Washington, DC 20510

IN PARADISE Please!!!

1

WR400

CELTIC WELTSEGEN
HÖRBUCH 626

United States Senator
2 Hart Senate Office Bldg.
Washington, DC 20510

No Rackets
No Phasers!

卷之三

四

2-369

WRASS 3-12-
Dear Senator Inouye,
I am a place
to against deployment of
missiles from Hawaii -
time for second work and
money to be spent in education
especially here
on Hawaii and
the Marshall Islands
Liberally
Steve Solberg
1702 MARCH St. #1000 20266

The Honorable Daniel K. Inouye
United States Senator
722 Hart Senate Office Bldg.
Washington, DC 20510

WRASS 3-12-
Hon. Senator Inouye,
Hawaii is the
Garden Isle - not
the Mississippi.
Thank you for demanding
the EIS - can we have
an independent EIS?
Thank you. Cherie D. Am
P.O. Box 1553
Honolulu, Hawaii HI
96815-1553

WRASS
Hon. Inouye
301/301
Honolulu
Hawaii
96815-3010

Respect Paradise, 000
Please

WRASS
The Honorable Daniel K. Inouye
United States Senator
222 Hart Senate Office Bldg.
Washington, DC 20510

WRASS 1
The Honorable Daniel K. Inouye
United States Senator
222 Hart Senate Office Bldg.
Washington, DC 20510
1
Dear Senator Inouye,
Please bring peace + the hunting
benefits that could be made avail-
able by putting military into peace -
Full Phelan's
Rathay plan

WRASS 1
The Honorable Daniel K. Inouye
United States Senator
222 Hart Senate Office Bldg.
Washington, DC 20510
1
Dear Senator Inouye,
Please bring peace + the hunting
benefits that could be made avail-
able by putting military into peace -
Full Phelan's
Rathay plan

WRASS 1
The Honorable Daniel K. Inouye
United States Senator
222 Hart Senate Office Bldg.
Washington, DC 20510
1
Dear Senator Inouye,
Please bring peace + the hunting
benefits that could be made avail-
able by putting military into peace -
Full Phelan's
Rathay plan



University of Hawaii at Manoa

Environmental Center

A Unit of Water Resources Research Center
 Crawford 317, 2580 Campus Road • Honolulu, Hawaii 96822
 Post Office Box 1500
 Huntsville, Alabama 35807-3801
 Telephone: (808) 956-7361

April 13, 1992
 RE:0602

U.S. Army Strategic Defense Command
 Attention: D.R. Gallien, CSSD-EN
 Post Office Box 1500
 Huntsville, Alabama 35807-3801

Dear Sirs:

Draft Environmental Impact Statement (DEIS)
 Strategic Target System (STARS)
 Pacific Missile Range Facility, Kauai

The above referenced document addresses potential impacts associated with the proposed STARS program. The program's proposed activities are categorized as design, booster motor refurbishment and testing, fabrication/assembly/testing, construction, flight preparation, launch/flight/data collection, and data analysis. The program would involve launching the STARS booster with payload from the Kauai Test Facility (KTF), located on the Pacific Missile Range Facility (PMRF), Kauai. The booster would deliver target vehicles to the vicinity of the U.S. Army facility at Kwajalein Atoll, Republic of the Marshall Islands.

The Environmental Center has reviewed this document with the assistance of Charles Lamoureux, Botany; Marshall Mock, Physical Science/Kauai Community College; Anders Daniels, Meteorology; Roy Takekawa, Environmental Health and Safety Office; Michael Graves, Anthropology; Leonard Freed, Zoology; Michael Jones, Physics; William Gramis and Alex Buttaro, Environmental Center.

Archaeology

Our reviewers have identified the following procedural inconsistencies with regard to the development and presentation of archaeological impacts:

1. This DEIS appears to be part of a larger project which includes the EMX operations, and as yet undocumented project which will be funded together in a portion of the facility. State EIS regulations require that a group of actions proposed by an agency or applicant shall be treated as a single action when the component actions are phases or increments of a larger total undertaking (Title 11, Chapter 200, Section 7, DOH Administrative Rules).

U.S. Army Strategic Defense Command
 April 13, 1992
 Page 2

2. The DEIS states that a complete cultural resource inventory has not been conducted. Our reviewers suggest that an archaeological reconnaissance or survey is necessary to assess the significance of the historic properties potentially affected by the project and should be conducted pursuant to State of Hawaii Title 11 EIS Rules Sections 11-200-14, 11-200-16, and 11-200-17, which require that relevant data be obtained, necessary studies be conducted, and all relevant and feasible consequences and implications of an action be disclosed and evaluated.

3. The DEIS suggests that there will be some impact to archaeological sites in the area. What impacts are expected? Are any mitigations other than full or sample data recovery/research and documentation planned? If not, what is the basis for limiting mitigation to data recovery/research. Will any sites be preserved if determined significant? Since these sites are potentially eligible for the National Register of Historic Places, the National Historic Preservation Act (NHPA) and its regulations apply, including the provision that compliance under NEPA and NHPA be accomplished simultaneously. This DEIS does not comply with NHPA, in that the cultural and historic properties within the project area have not yet been evaluated in terms of the Section 106 review process as specified under NHPA.

4. No agreement with the State Historic Preservation Office in Hawai'i or the Advisory Council on Historic Preservation on a mitigation or preservation plan for the potential archaeological resources in the project area has been discussed in the DEIS. Are there any agreements, and if so, what are they?

Preon

5. The DEIS states that during second-stage burn, up to 90 kilograms (198 pounds) of freon may be released into the booster plume over the entire second-stage flight path. The DEIS further refers to the proposed annual release of freon by the STARS program of about 350 kilograms, (approximately 0.05 percent contribution to the worldwide release rate), as "minor." The significant factor distinguishing these freon releases from other releases throughout the world is the introduction of long-lived chlorofluorocarbon (CFC) releases directly into the proximity of the ozone layer. The DEIS should address potential impacts of ozone depletion resulting from the freon releases on the following:

1

- This DEIS appears to be part of a larger project which includes the EMX operations, and as yet undocumented project which will be funded together in a portion of the facility. State EIS regulations require that a group of actions proposed by an agency or applicant shall be treated as a single action when the component actions are phases or increments of a larger total undertaking (Title 11, Chapter 200, Section 7, DOH Administrative Rules).

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1. Current and projected incidence of carcinoma and melanoma;
2. Current and projected incidence of cataracts;
3. Possible reduction in productivity affecting marine fisheries and aquaculture;
4. Projected loss of tourism revenue related to various ozone depletion scenarios, and;
5. Breakdown and deterioration of plastics, paints, and vinyls.

Endangered Species

The DEIS failed to address off-site impacts of the proposed launches adequately. Our reviewers have suggested that the DEIS should include discussion of possible noise and air quality impacts to endangered forest birds residing offshore.

Ophioclees concinnum is a Category 1 candidate for designation as an endangered species. In general, little is known about this plant, since it spends most of its lifecycle as an underground dormant rhizome. It appears at the surface only ephemeraly, when leaves and sporangia develop in the 2-3 months after heavy rains. What mitigation measures are proposed for *Ophioclees concinnum* and under what circumstances will they be implemented?

Nothing is known of the transplantability of *O. concinnum*. Under the provisions of the Federal Endangered Species Act, transplantation of Category 1 plant species *O. concinnum* may be acceptable at this time. However, at the point that it becomes officially declared an endangered species, transplantation will no longer be acceptable. It is our understanding that Category 1 plant species are projected for listing as endangered sometime in 1992. If specimens are identified on site after they are officially declared as endangered species, their disturbance, even for transplantation will no longer be legal. In addition, our reviewers are not aware that this species has been shown to be successfully transplantable, and they suggest that the U.S. Army try transplanting on an experimental basis.

Air Quality

In reviewing the air quality impacts for the STARS project several areas inadequately discussed in the DEIS have been identified.

1. The DEIS states that, in the event of a launch pad accident in which the entire missile detonates, although the emission levels might exceed acceptable levels for a short period, the potential impacts are not expected to be significant. What background data support this statement? Were any studies or analyses performed to anticipate potential disaster scenarios? The document should discuss the potential impacts of a launch pad accident in more detail.

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11. In the event of an accidental release, it is possible that an on shore wind might carry release products to the highway adjacent to PMRF and populated areas of Kauai such as Kekaha. What potential impacts of a release on populated areas of Kauai can be anticipated?
12. The document should present state standards for emission levels of carbon monoxide. Why is 3000 meters chosen for the 8-hour average concentration levels.
13. Our reviewers reiterate that the fuel vent experiments would contribute to further ozone depletion. Also, transporting and storing the hydrazine fuel needed for these experiments is very hazardous. We suggest that the EIS should therefore consider the "no action alternative" for these experiments specifically.
14. Our reviewers reiterate that the fuel vent experiments would contribute to further ozone depletion. Also, transporting and storing the hydrazine fuel needed for these experiments is very hazardous. We suggest that the EIS should therefore consider the "no action alternative" for these experiments specifically.

Launch Activities

Section 4.10.1.3 (page 4-53) states that it is unlikely that any flights would have to be terminated because of "an overall system reliability of 97 percent and a higher individual component reliability." Presumably most components can be tested separately to determine their reliability. One could then calculate the reliability of the whole system, assuming that failures of components are independent. Is this how the overall system reliability is determined? The crucial test of this calculation is to actually do test launches of the entire system. Some information should be provided with regard to the results of previous test launches of Polaris boosters to allow a better assessment of the likely reliability of the STARS booster. It should also be noted that, if the probability of a single successful launch is 97 percent, the probability of 40 successful launches is only 30 percent.

The scenario described on page 4-53 in which the booster was destroyed because it had pitched back toward the island should be described in greater detail. We note that this scenario is similar to the Aries launch failure at Cape Canaveral on August 20, 1991. Press accounts of the Aries failure stated that the destruct command from the ground was issued 23 seconds into the flight and that burning debris hit the ground "a few miles from the launch pad." The STARS EIS should indicate to scale on a map of the area around PMRF, where debris from a similar failure would hit the ground. Could a similar STARS failure be detected and the destruct command issued in 15.1 seconds as assumed in the DEIS?

TRUF & RECM Computer Models

Our reviewers found the discussion of the TRUF and RECM computer models used to calculate the concentrations of hydrogen chloride, carbon monoxide, and particulate matter, still inadequate. No detailed evidence is given to support the preference for the RECM predictions as the better estimator. It is difficult to understand why these two models should yield

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results which differ by factors of 10 to 400. Why weren't the comparisons done for the same wind speed? Is the wind speed parameter significant? Tables 3-1 and 3-2 of the Supplement to the STARS EA, TRUF results are given for a wind speed of 0.46 m/sec. Our reviewers believe this result is important, because the carbon monoxide concentration is predicted by TRUF to exceed the Hawaii 1-hour air quality standard at the boundary of the launch hazard area. The REEM results in the DEIS do not seem consistent with those given in the Supplement. For example, the peak instantaneous concentration (which should be nearly independent of the wind speed) of hydrogen chloride at a distance of 1000 meters is given to be 0.252 ppm in Table 4-5 of the DEIS but is 0.027 ppm in Table 3-1 of the Supplement. Such discrepancies cast considerable doubt on the reliability of the results quoted for REEM. We conclude that the information given in the DEIS is not sufficient to provide confidence that STARS launches will have no significant impact on air quality. The TRUF and REEM models need to be compared for the same wind speed, and data from previous launches should be used to try to decide which model is the better estimator. Why has the DEIS neglected to include such information?

Impacts Upon the Marshall Islands

Our reviewers were surprised to find that this DEIS did not describe the potential impacts to the people and natural environment of the Marshall Islands. Are there no potential impacts, and if so, what is the basis for this determination?

Cumulative Impacts

The cumulative impacts of all planned launch activities at PRR need to be clarified and considered in more detail. For example, page 2-25 mentions that during the ten years of STARS launches, there would also be three EDX and eight Vandal launches per year in some years. Appendix C indicates that the ground hazard area around PRR for these launches might have to be cleared as many as thirty times per year. The Vandal launches were neither mentioned in the original STARS EA nor the Supplement, and the cumulative impacts of all these launches is considered only on land use in the DEIS. Other cumulative environmental impacts of these launches also need to be considered.

Significance Criteria

The evaluation of significance of some of the environmental impacts identified in the DEIS is inadequate. An obvious example is the discussion of freon release on pages 4-20 to 4-21. The 360 kilograms of freon 1142 (also known as halon 2402) that would be released yearly by STARS launches is compared to the current amounts of CFCs in the stratosphere, but no mention is made of international agreements, such as the Montreal Protocol,

whose goal is to dramatically reduce the production and use of these ozone-depleting chemicals. Viewed in the context of these international efforts and efforts by the State of Hawaii to help protect the ozone layer, freon release by the STARS launches appear quite significant.

Public Recreation

Our reviewers note that increasing the fraction of time that parts of the PRR recreational areas are closed to the public from 30% to 58% may be very significant to the residents and visitors of Kauai. Why do the preparers of this document regard such an increase to be insignificant? What would be considered significant, and why?

Thank you for the opportunity to comment on this document. We look forward to your consideration and response to our comments, which we hope were helpful.

Yours truly,

John T. Harrison, Ph.D.
Environmental Coordinator

cc: OEQC
Michael Jones
Roger Fujioka
Marshall Mock
Anders Daniels
Leonard Freed
Michael Graves
Roy Takekawa
Charles Lamoureux
Alex Buttaro

18

19

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21

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April 12, 1992

WRI97 (cont.)

U.S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

COMMENTS ON THE STARS DEIS

To Whom It May Concern:

I am writing to express my support for the Strategic Target System Draft Environmental Impact Statement. I work at the Pacific Missile Range Facility at Barking Sands, and I know that the programs carried out here are done so with the greatest possible concern for safety and the environment.

Based on the Draft EIS, which incorporates environmental and safety concerns raised by the public, I am confident that the STARS program will take unprecedented measures to ensure public safety and protect the environment. The willingness that has been displayed by officials of the Strategic Defense Command to listen to the public has further strengthened my confidence that all legitimate concerns will be fully addressed, and mitigations will be implemented to ensure that there will truly be no significant impact on the environment.

In spite of my confidence that this program can be carried out properly, there is one area that the EIS should address in greater detail. This is the impact that the no-action alternative could have on PMRF. A large share of PMRF's overall business is derived from research and development programs such as STARS. Research and development programs are a vital part of many of our jobs. As PMRF's largest R&D customer, STARS is important to PMRF's continued viability. Consequently, STARS will help to ensure the continuation of the benefits that the community receives from PMRF.

Page 2

Based on these facts, I believe that the EIS should go into greater detail in describing PMRF's long and continuing history of benefiting the community benefits the community. Additionally, I believe that it should be stated clearly in the EIS that under the no-action alternative Kauai would be much closer to losing PMRF and its benefit to the community than if the STARS program moves forward. Attached are some fact sheets obtained from the PMRF public affairs Socioeconomics section of the EIS.

If community activists are able to kill one program at PMRF, this does not bode well for the future of the base as a whole. It may be a surprise to some that the MR in PMRF stands for MISSILE RANGE, and it does not take a rocket scientist to figure out that the days of PMRF would be numbered if it is not allowed to launch missiles due to the rantings of extreme activists.

Sincerely,

Patrick Alvarez
Patrick Alvarez
P.O. Box 520
Kekaha, Hawaii 96752

1

page 1

QUESTION: Identify all the dollars that flow into Hawaii's economy from PMRF, including salaries, construction projects, payment for utility services, and any other areas of cash flow. If available, include information on the number of indirect jobs created as a result of PMRF.

ANSWER: Identified below are PMRF's estimated economic impact on Kauai and Hawaii for FY 92:

Salaries (military contractor, civil service and Non-approp.)	\$30,397,000
Construction projects	\$ 7,400,000
Utility costs	\$ 1,707,000
Purchases	\$ 7,822,200
Expenditures for leases, travel, aircraft consumables, etc.	\$6,084,000
Combined operating budgets of tenant organizations	\$21,349,000
*Official visitors	\$ 3,334,500
Impact Aid Funds to schools	<u>21,300</u>

Total estimated economic impact: **\$77,915,800**

Jobs at PMRF include:

Civil Service	130
Military	134
Contractor	456
Non-Approp. Fund	65
Tenant Org.	<u>124</u>

Total: **909**

*This figure is based upon 4,500 vehicle passes issued to visitors at PMRF who traveled on government orders to work at PMRF. The 4,500 was multiplied by 1.5 people (some travelers bring family members), multiplied by three days (average visit) totaling 20,250 visitor days x \$148/day per diem = \$2,997 million plus \$337,500 for vehicle rentals. (Note: Many travelers extend their visit when their official duties are done; the figure above does not reflect their extended visit.)

Other jobs created as a result of PMRF may include employees working for restaurants, financial institutions, hotels, insurance

companies, markets, utility, shipping, construction and office equipment companies, teachers, visitor industry employees and more. We do not have an accurate estimate for this category. Additionally, many family members of PMRF employees work in the local community.

According to First Hawaiian Bank Research, Assistant Bill S. Akamine, Jr., PMRF is considered a "sizeable" employer on Kauai. Although it was difficult to determine our impact on Kauai's economy, he said "to date, Kauai has 29,200 jobs. However, a sizable portion is part-time jobs in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well." Based on data obtained by PMRF during the drafting of the STARS Environmental Impact Statement, the average annual wage in the visitor industry was approximately \$17,900 in 1990, while the average annual wage for civilian personnel at PMRF was approximately \$34,000 in 1991. This data supports Akamine's statement that, "PMRF would be a major employer of higher paying jobs on Kauai."

April 1, 1992

1. As you asked, the following information provides economic data on PMRF's impact on Kauai's economy.

Economic Impact to Kauai due to activity at Sandia's Kauai Test Facility:

- KTF employs 14 permanent, on-site personnel
- KTF's \$850,000 to \$2.5 million annual operating budget is a beneficial factor in Kauai's economy
- KTF employs 50 to 75 transient personnel from the mainland during operational periods (60 days per year) for routine launches

▫ Example: During 2EST launches conducted 2 and 10 September, SDI spent \$750,000 for lodging at local hotels and transportation of transient personnel who were onboard PMRF to support the launch.

▫ Up to 100 transient personnel from the mainland may be employed at KTF for STARS and EDX launches. Support personnel will stay at local hotels.

▫ Construction work at KTF carried out by construction companies located on Kauai

Pacific Missile Range Facility

- Civil Service Employees: 113 (approx. 77 percent are local hires)
- Military: 137
- Contractor: 456
- Tenant organizations: 140 (approx. 98.9 percent of contractor and tenant organization employees are local hires)

▫ Total Expenditures (including base and tenant): **\$2.5 MILLION**

- FY 91 (PMRF) operating budget: \$50.155,000
 - Civil Service payroll: \$5,600,000
 - Military payroll: \$4,536,900
 - Contractor payroll: \$19,550,000
- FY 92 (PMRF) operating budget: \$51.151,000
 - Civil Service payroll: \$5,600,000
 - Military payroll: \$4,706,600
 - Contractor payroll: \$19,500,000

PMRF Construction costs:

- FY 91: \$5,237,000 (actual)
- FY 92: \$7,400,000 (estimate)
- FY 93: \$14.6 million
- Parking Apron - \$4.6 million
- 13 family housing units - \$.4 million
- Special projects...\$.8 million

Visitors (officials):

- 20,250 visitor days x \$148/day per item = \$2,997 million + \$337.5 thousand auto rentals excluding extra days and family travel (based upon 4,500 vehicle passes (on orders) x 1.5 people x 3 days (average stay))

PMRF Purchases (FY 91)

- Total purchases \$5,593,325
 - From small businesses \$3,457,982

- From minority businesses \$27,132
- From large businesses \$2,125,463
- Purchases within Hawaii \$3,915,327
- Purchases within Kauai \$3,500,000
- Purchases out of state \$1,677,988

▫ According to First Hawaiian Bank Research Assistant Bill S. Akamine, Jr., PMRF is considered a "sizeable" employer on Kauai. Although it was difficult to determine our impact on Kauai's economy, he said "To date, Kauai has 29,200 jobs. However, a sizable portion is part-time jobs in the visitor and service industries. We can probably assume that most jobs generated by PMRF are full-time jobs that pay relatively well. Hence, in this respect, PMRF would be a major employer of higher paying jobs on Kauai."

PMRF, a good neighbor:

Members of the PMRFohana have supported the following activities:

- Captain Cook celebration
- Armed Forces Day parade
- D.A.R.E. and "Just Say No" Waimaea High School Volleyball Tournament
- FCA Toys for Tots Campaign
- Annual sunfing contests
- Scouting
- Kauai Educational Association for Science and Astronomy (KEASA)
- Adopt a School Program
- Officer for a Day Program
- Anahola flood support
- Rotary participation to include \$10,000 scholarship
- Chamber of Commerce participation
- United Way
- Recycling program
- Federal Junior Fellowship Program (scholarship)

The PMRFohana are especially proud of the Federal Junior Fellowship Program. The program is a career-related, work/study program for students who are pursuing a baccalaureate or associate degree, or an undergraduate certificate or diploma. This scholarship program pays full tuition, books and travel expenses for the student.

Additional Points:

- PMRF has a full-time environmental engineer and actively supports/maintains several endangered species of plants and sea mammals that are found on base and on our beaches.
- PMRF's OSH safety officer, who is also a Hawaiian minister, advises the command on Hawaiian tradition, customs and sensitivities.
- PMRF's underwater data collection equipment is also used by the University of Hawaii for special data collection on whales and other marine creatures.
- PMRF provides area help to KPD; offers medical aid, search and rescue services, EMT support and our fire department works closely with the County fire crews to support the community.
- PMRF Range boats have saved the lives of fishermen...rescues at sea and towing in stricken vessels
- PMRF provides heavy equipment and labor support to the State of Hawaii, Department of Land and Natural Resources for repair of the access road to Polihale Beach park. Additionally, we support the County of Kauai with labor and equipment when County officials have requested.

6. In addition there is a mutual aid agreement between the County of Kauai and PMRF covering police services, firefighting services and medical services.
 PMRF has an excellent relationship with Kekaha Sugar Company.
2. Information derived from the Draft Environmental Assessment reflect PMRF's total expenditures (total \$72.5 million (this figure includes all activities and tenant organization expenditures).

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

1
 Shortly after WWII, an underling in the State Department conceived the idea of a "cold war", sold the idea to the Secretary of State, who in turn sold it to the Administration and the terrifying arms race was born. Communist Soviet Union was selected as the cold war threat and was drawn in to the nuclear arms build up. Their involvement ended last year in Red Square when the military did not fire on the people assembled to protest. Thus, the contrived reason for the cold war no longer existed.

Throughout history mankind has been threatened with disease, pestilence, plague, starvation, drought, natural disasters and wars, but mankind has never had a threat as great as the nuclear weapons build up the U.S. cold war initiative created.

That is one of the issues in this protest against Star Wars.

In Astoria, Oregon when my wife Sally O'Donnell, a County Commissioner, was trying to protect the Nuclear Free Zone County from the entry of the Trident Nuclear Submarine Alabama, she was told by the Navy that the people may not want us, you may legislate against us, but it really doesn't matter; the U.S. military will do what it wants to do in your County.

We were also told that the Alabama, when armed, and we can't tell you if it is armed at this time, has more fire power than everything combined that was used during WWII, in fact more fire power than all fire power expended since the beginning of time.

Name JAMES H. O'DONNELL

Address P.O. Box 7500 - Hwy 199, Penns Valley, PA 17862

Street Address _____
 City/State/Zip Code _____

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander

U.S. Army Strategic Defense Command

Attention: CSSD-ENV (D.R. Gallien)

P.O. Box 1500

Huntsville, Alabama 35807-3801

WRASS (cont.)

Comments
O'Donnell
Page -2-

Nuclear weapons, nuclear submarines, (which incidentally are regularly off the shores of Kauai) and missiles do not belong on Kauai; THEY DO NOT BELONG ANYWHERE!

Western European nations do not want our Nuclear Military Installations.

The Philippines do not want them

Japan doesn't want them

Australia doesn't want them
Mayor Dinkins of New York City doesn't want them

THE PEOPLE OF KAUA'I DO NOT WANT THEM!!!!!!

In addition, the specious argument about the positive economic impact of a military installation is an insult to our intelligence.

The big losers in WWII, Japan and Germany have the strongest economics in the world, primarily because they did not have to waste money and resources on building armaments.

In contrast the Soviet Union has been bankrupt by the cost of the cold war and the United States has become a second rate economic power because of the cost of "defense."

When the people of Russia turned back the military in Red Square it left the United States as the only "advanced" nation that believes the world's problems have a military solution. How ridiculous is that position? What problems did the carnage the United States inflicted in Desert Storm solve?

This century began with countries who dealt in military colonialism ruling the world. Great Britain, the model the U.S. has tried to emulate was the strongest of these powers. But, in this century Britain has lost its colonies, its power, and has become a fifth rate nation.

The age of military colonialism and military conquest has passed. Not one country taken over or losing a war has remained permanently under the domination of the conqueror in 80 years.

It is ironic that Hawaii, a victim of U.S. military colonialism, has taken so long to regain its independence. Its independence that it will not be the independence it gave up, but when the military domination of Kauai ends, which is now represented by Star Wars and the military facilities here, the native Hawaiians will regain their homelands (because only the gun to the head has held back the restoration) and the rest of the State will begin to get out from under the false \$3 billion dollars of military expenditure that costs far more than it contributes.

WRASS (cont.)

Comments
O'Donnell
Page -3-

ADDENDUM:

On the second day of the public hearing the New York Times published its op-ed page an article headed "Star Warriors on Sky Patrol".

That article is included with this testimony with the highlighted areas being of particular importance.

NEW YORK TIMES OP-ED - WEDNESDAY, MARCH 25, 1992

"The cold war had ended. Governments on both sides of what had been an iron curtain were making plans to convert nuclear weapons laboratories to civilian purposes and to begin dismantling their huge arsenals of nuclear missiles. But on a bitterly cold January morning in New Mexico, a hundred scientists gathered at the Los Alamos National Laboratory to discuss new nuclear weapons and "Star Wars." Many of the nation's top experts on nuclear weapons and "Star Wars" were there, including the legendary father of the H-bomb, Edward Teller. The press was barred from the meeting. It was a call to arms, according to reports of some people who were there. One speaker called for a fleet of 1,200 powerful new missiles to be made ready and armed with the world's entire arsenal of nuclear warheads. Dr. Teller himself urged the development of a new superbomb--ten thousand times more powerful than any bomb ever built, a bomb so powerful it could never be detonated on Earth."

WR498 (cont.)

Star Warriors on Sky Patrol

Edward Teller
wants to nuke

By Robert L. Park

WASHINGTON

Attendance/Mailing List

(Digitized by srujanika@gmail.com)

Name JAMES H. O'DONNELL Organization Responsible Citizen for Rep. Cont.

Street P.O. Box 3500 - MSC 144
City Remicville, H/I 96721

100

Please check box if you would like to be added to the Strategic Target System mailing list



卷之三

Dear Senator Inouye,

4/7/92

I think you guys are a bunch of low life idiots trying to look good dealing with big weapons. The army is a bad influence for little children growing up. They think the cool thing to do is to play guns and army and to shoot innocent people cause that's what society does so we don't fight jackets and pants, see.

Don't you think I'm right?

Mahalo,

Ann Matthews

P.O. Box 869
Kilauea, HI

Address 633 Kauihau Rd.
Kapaa, Hawaii, 96746

WPSD

Dear Mr. Gallien,

I live here on the island of Kauai, and to say that I'm appalled at the recent information I've been hearing would be a great understatement. I am very much against the recent Star Wars proposal. My vote against it would be based upon the many facts I've found.

- 1) the pollution to our very unique environment
 - 2) the awful safety record of the launches
 - 3) It would put Kauai high on the hit list for opposing threats in a crisis of war, as opposed to a less populated island.
- 4) The lies that Aldrin Saucier revealed about where our large amounts of tax dollars go
- 5) Lastly, the undiscernable acts our country places upon another people and their land. We infested and ruined the Marshall Islands like an epidemic.

Don't involve me and my island in your power and money struggle. The world is sick enough.

WPSD

12 April 1992

Deputy Commander

U.S. Army Strategic Defense Command
Attention: CSED-EN-V (D.R. Gallien)
Post Office Box 1500
Huntsville, Alabama 35807-3801

Dear Sir:

I have read the Draft Environmental Impact Statement for the Strategic Target System, dated February 1992, and I agree with the overall finding of no significant impact. I watched the majority of the public hearing 24 and 25 March 1992 and I do not agree in any manner with the idea commonly proposed there by the opponents of the program of essential total destruction of the island of Kauai due to any impact on the environment of Strategic Target System related actions.

The only area in which I would like to see more data or analysis would be in the localized impact on stratospheric ozone levels. The document basically relates impacts to the total global environment, yet my understanding from the common media is that ozone is apparently being depleted in localized areas. While I still do not imagine a significant impact due to these proposed launches, I would like to see an analysis of the localized impact if possible.

To repeat, I agree with the overall findings in the Draft Environmental Impact Statement of no significant impact.

Sincerely,

M. H. Damron

Mark H. Damron
P.O. Box 706
Hanapepe, HI 96716

Written Comment Sheet

Strategic Target System
Draft Environmental Impact Statement

Dear Senator Inouye,
We do not want to have the Star War program on
Kauai.
We are concerned not only about unfrozen environmental impacts and more damage to the ozone-layer, but also negative consequences for the tourist visits, our main source of income.

The outcome the whole issue has already on the relationship of the islands is something very saddening.
We ask you to use your influence to stop it and respect the fragile balance and ecology of this small island.

Sincerely,
Svenja Ernrich

P.O. Box 818
Kilauea
Hi. 96754

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

- 1 The Draft EIS is totally insufficient and was not conducted by an independent organization. The main source of income on Kauai is the visitor industry. Our tourists are attracted by the natural beauty of the island. The EIS did not satisfactorily address delivery of energy & impact economy of an accident or even the potential of an incident. Kauai is home to many endemic species which will be significantly impacted by this project. Far off the beaten track of Kauai unacceptable to continue. The whole world is watching. No accident is called for.
- 2
- 3

Name Mark S. Mayfield
Street Address 1000 Kilauea Hwy. #13, Lihue, HI 96766,
City/State/Zip Code Honolulu, HI 96807-3801

Please hand this form in or mail by April 12, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSSDEN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I would not like missiles here because I live on I also have friends all over the island so wherever it landed it would be dreadful. Not only that its an awfully expensive thing. I am 9 years old in grade four and I think they should spend the money on something more useful like education or medical services. In school we are learning about our earth, outer space, geography and other countries. We should concentrate on finding peaceful solutions with misunderstanding with other countries. Kauai is a very peaceful island almost like paradise used to be. To turn it into a military target would ruin it and its beautyfulness. Why don't you put it somewhere where there is nothing to ruin in any way like families, beauty or peacefulness.

How about putting it in the North Pole or the Aleutian Islands? You wouldn't hurt very much and it could reach a lot more places.

Sincerely,

Name _____

Address _____
Second Address _____

City/State/Zip Code _____

Signature _____

Date _____

Debbie Stokes

Date _____

Debbie Stokes

Date _____

Debbie Stokes

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Gallen)
P.O. Box 1500
Huntsville, Alabama 35807-3801

4/10/92

1
 Dear Senator Inouye and Mr. Gallen:

I strongly oppose the idea of Star Wars program on the Island of Kauai for many seasons. As a member of this community, and a supporter of PMRF, and a United States citizen I urge you to put a stop to the idea of STAR WARS program here. I also have 3 teenage boys who feel the same as their mother. Thank you!

Debbie Stokes
 Debbie Stokes
 4/7/92 Pekahu Rd
 Kapaa, HI 96746

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I HAVE A COOL AND THE REVIVED THE DEIS. I AM NOT SWAYED
IN USE OF ITS DETERRENTION OF NO SUSTAINABLE IMPACT ON THE CANIGOUON-
LEANT & LORAIN. I OPPOSE THE STARS PROJECT ON THE PREMISE THAT IT
WILL AFFECT MAM; AND THE EFFECTS OF THE INHABITS CAN ONLY BE NEGATIVE.
I DON'T SEE ALL MY VISIONS FOR YOU HAVE THEM ALREADY, MANY TIMES.
AID BY MY FELLOW CANARIANS IN WAGING AND WINNING THE HUMENES
(WHICH I HAD STRANDED).

WHAT THEY DOCS ME IS THE LIES AND PROPAGANDA FEED TO THE
INDICES AT PHILF. THESE PEOPLE ONLY BELIEVE THEIR JOBS ARE AT STAKE.
I KNOWS YOU SAW THIS WASN'T THE CASE IN ONE NEWSPAPER ARTICLE - BUT NO-
BODY SEEM TO HAVE TOLD THE PHILF WORKERS. AT TUESDAY NIGHT'S HEARING
CYNICALLY SOARS FLAT THERE WERE SCREAMING THEY COULD WIN IF
THE STARS PROJECT CAN NOT WORKED ON THIS ISLAND. THIS IS A LIE AND →

Name Lorraine Richardson

Address P.O. Box 501 City/State/Zip Code KILAKA HI 96754

Street Address

City/State/Zip Code

Please hand this form in or mail by April 13, 1992 to:
Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Callien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

I HAVE TO BELIEVE IT IS A KIDNEY THAT WAS PURPOSELY
PLANTED IN ORDER TO RELEASE THE WORKERS AT PHILF TO STAND
UP AND FIGHT FOR THE STARS PROJECT (IN ACTUALLY THEY WERE
FIGHTING FOR THEIR JOBS).

THIS IS IMPORTANT. I DON'T HERE PEOPLE PUSHING FOR
THE MISSILE LAUNCHES BECAUSE OF THE BENEFIT TO AMERICA'S
SECURITY - OR SOME SUCH ORNAN AS TO THE BENEFIT OF SUCH
A PROGRAM, NO, PEOPLE SPOKE UP FOR THE PROGRAM - FOR THEIR
JOBS. THIS IS UNFAIR PROPAGANDA - IT IS USING FEAR AS A
TACTIC AND IT ONLY SERVES TO DIMINISH MY FAITH IN YOUR
LEADERSHIP.

* ALSO, I WOULD LIKE TO KNOW (I WOULD APPRECIATE A
RESPONSE) WHO PAID FOR ALL THOSE YELLOW T-SHIRTS.
THE PEOPLE WEARING THEM (AND I ASKED SEVERAL) SAID THEY
DON'T KNOW WHO PRODUCED THEM; THAT THEY WERE ORDERED
OFF AT THE ERANGE. WERE THESE SHIRTS PAID FOR BY TAX
PAYERS. DOLLARS?? I SINCERELY HOPE ~~NOT~~ NOT.
THANK YOU FOR GIVING ME THIS OPPORTUNITY TO
EXPRESS MYSELF.

Jean Hall

Deputy Commander
U.S. Army Strategic Defense Command
Attn: CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35887-3801

P.O.B. 189
Anahola, Kauai
25 March, 1992

I attended the first round of hearings on the Army EIS last night not intending to speak, but after I went home last night I thought about what people on both "sides" (if you want to divide our community in that fashion; I do not) had to say. As someone who has had both friends and family in the service, and who probably would have enlisted had there been better jobs offered to women when I was of an age to sign up, I have always admired the military ideals of selfless dedication, courage and integrity. As a ten-year resident of Kauai, I also appreciate the contributions and concerns of my fellow-citizens who work at Pacific Missile Range Facility. I know that they are honest, intelligent people and good neighbors. I probably would support the STARS program if I felt that its elimination would imperil either our local economy or our national defense.

What I have learned from my study of the question, however, is that not even those who have the most to gain from implementation of this program completely agree as to its worth. I have heard disagreements between members of the armed services about a) the technology itself, b) the consequences to PMRF and c) the long-term and wide-range effects of STARS on our national defense. Is it wise for ordinary citizens like myself uncritically to support a program that even the experts argue about?

This concern alone would be enough to convince me that you should not press forward at this time. Other matters, unaddressed by the present EIS, also prompt my disquietude.

I know enough about world history and current events to know the necessity of a strong defense and the precariousness of the present world situation. I also know, however, that no national defense can long shore up a society that is not in full possession of its moral faculties.

It has often been said that one measure of a nation's or of a culture's strength is its treatment of its weakest members. Pacific Basin cultures have a long and not very illustrious

history of ill-treatment of their weakest: ethnic minorities and untouchables in Japanese society, *kaua* in ancient Hawaii, to name only two. Now we can add Pacific islanders, Micronesians and Hawaiians, to this sad company.

Does this have to be? Cannot we learn enough of the

lessons of history to stop this? How can we defend our nation by trampling on the lives of its people? How can we secure the homes and families of Kauai's citizens by destroying those of Kwajalein's?

What I propose is that you postpone the STARS program until the grievances of this country's powerless ones have been healed. I also propose that the money, technology, and expertise presently allocated to STARS be redirected to help the people of Kwajalein regain their homes, and to help native Hawaiians on Kauai re-establish theirs. I have heard testimony from employees of PMRF who are experts in environmental science, engineering, and construction. Why not offer them jobs rebuilding Kwajalein, constructing homes for Hawaiians on crown lands presently used by PMRF, or restoring the Nohili marshlands to something like their prehistoric condition? Isn't any of these projects as great a moral, technical or intellectual challenge as STARS? Don't our people, our workers, deserve jobs worthy of their talents and skills, and don't our citizens, ALL our citizens, deserve the blessings of home and family? I ask that you re-consider allocation of our precious national resources to a program of questionable value to our national defense, and instead assign them to works that will unquestionably benefit those who most deserve their fellow-citizens' compassion and help.

Heuionianani M. Wyeth

Written Comment Sheet

Strategic Target System Draft Environmental Impact Statement

Thank you for attending this public hearing. Please use this sheet to provide us your written comments on the Draft Environmental Impact Statement for the Strategic Target System.

I have recently moved to Kailua where I will give birth to my first child this spring. I came to Hawaii because of its subtropical beauty and healthy, unpolluted environment. I am appalled to find out that this is now in jeopardy as well as the safety of my life and that of my unborn child.

The Star Wars Program is ludicrous. It is imperative that we abort this ridiculous and abusive SDI program! Abandon the US Govt. by its pull off SDI as innocuous to the environment and its inhabitants? The integrity and anguish the previous testing of nuclear missiles has caused the indigenous people of the Marshall Islands is inhumane.

Name Melissa Monroe

Address General Delivery, Kilauea, Kauai HI 96754
City/State/Zip Code
Same Address

Please hand this form in or mail by April 13, 1992 to:

Deputy Commander
U.S. Army Strategic Defense Command
Attention: CSD-ENV (D.R. Gallien)
P.O. Box 1500
Huntsville, Alabama 35807-3801

They must be compensated for the unconscionable crime already committed against them. No further testing can be tolerated.

There's three "war toys" destroyed enough lives, damaged irreversibly. Please keep these "death" machines off Hawaii. The Polynesian peoples have been proven to be ineffective and should be obsolete! We cannot afford even one catastrophe on such a small and delicate island.

Please act in accordance to your higher conscience and be tenacious on this issue, as it will inevitably have global consequences.

I thank you to stop the SDI's program planned for PMR & and protect the future of Hawaii and the Pacific Islands.

I thank you,
Melissa Monroe

WRS10 (cont.)



JOHN C. LEWIN, M.D.
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH

P. O. BOX 3778
HONOLULU, HAWAII 96801
In reply, please refer to:

April 21, 1992

92-122/epo

Deputy Commander
U. S. Army Strategic Defense Command
CSSD-EN-V (D.R. Gallien)
P.O. Box 1500
Huntsville, AL 35807-2801

Dear Sir:

Subject: Draft Environmental Impact Statement (DEIS)
for the Strategic Target System

Thank you for allowing us to review and comment on the subject document. We have the following comments to offer:

On September 26, 1990, in a letter addressed to Mr. Randy Gallien, we commented on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems in Kauai. These comments are still applicable, and a copy of that letter is enclosed. The only additional comments that we would make at this time are the following:

1. A serious concern exists as to the devastating impact an early termination of the booster, either on the launch pad or just above the launch pad, would have on the surrounding environment and human health. When the booster is terminated, both burning and unburned booster propellant, along with the hydrazine and nitrogen tetroxide liquid propellant in the rocket, will be dispersed over a wide area.

The draft EIS does not address the effects these dispersed chemicals would have on the environment and the risks posed to human health. It also does not fully cover what actions will be taken to clean-up the chemical contamination and to handle the disposal of the contaminated hazardous waste. The final EIS should address these issues and include a contingency plan which would be used in a response to an accident of this type.

Deputy Commander
April 21, 1992
Page 2

- 3
2. The EIS should disclose the extent of heavy metal and corrosive releases expected from normal atmospheric flight operations.

If you should have any questions, please contact Mr. Michael Miyasaka at 586-4226.

Very truly yours,

John Lewin

JOHN C. LEWIN, M.D.
Director of Health

Enc.

c: Solid and Hazardous Waste Branch

1

2

WPS10 (cont.)



JOHN C. LEWIN, M.D.
DIRECTOR OF HEALTH

**STATE OF HAWAII
DEPARTMENT OF HEALTH**

P. O. BOX 370

HONOLULU, HAWAII 96801

September 26, 1990

In reply, please refer to:

EPHSID

2-170

Mr. Randy Gallien, USASDC CSSD-EN
106 Wynn Drive
P.O. Box 1500
Huntsville, Alabama 35807-3801

Dear Mr. Gallien:

Subject: Comments on the Revised Preliminary Final Environmental Assessment for the Strategic Target Systems (STARS)

Thank you for allowing us to review and comment on the subject document. We provide the following comments:

Air Pollution

The Environmental Assessment should provide as an appendix a detailed discussion on the air quality impact analysis. As a minimum, the following areas should be addressed:

1. The air pollution dispersion models and the meteorological conditions used in determining the air quality impacts should be clearly described along with any deviations or assumptions.
2. Since each launching is a limited-term event, the impacts should be determined for a shorter averaging period. A 1-hour average concentration is preferable to the 8-hour average concentration as reported.
3. The impact is calculated for a distance of 3,000 meters from the launch pad. The impact should be calculated for maximum concentration at or beyond the property line and also at the nearest residence.
4. The assessment of the emissions and the air quality impacts resulting from a liquid fuel spill, a launch pad explosion, and an early launch termination should be conducted.
5. It is not clear whether only solid propellant boosters will be used or whether liquid propellant may be used as an alternative. The air quality assessment should consider the impacts resulting from all the various types of boosters that might be employed.

WPS10 (cont.)

RANDY GALLIEN

-2-

September 26, 1990

6. Health risks associated with air quality impacts should be discussed. At a minimum, the impact results with threshold limit values adjusted with an appropriate safety factor should be compared. It would also be important to discuss long-term effects associated with repeated exposures to potential air pollutants including carcinogenic effects. Worst case and most likely case scenarios should be considered.

Solid and Hazardous Waste

The report does address our concerns related to the generation and proper management of hazardous waste.

Hazard Evaluation and Emergency Response

1. The transportation safety plan for Hydrazine and Nitrogen tetroxide shipments should include the notification of both the State Civil Defense Agency and the Kauai County Civil Defense Agency.

2. For spills occurring during fueling/detanking of Hydrazine and Nitrogen tetroxide, "washing down to dilute concentrations" is not the best method for clean-up of these chemicals. Using sand or other absorbent material is the method of choice. Water spray should be used to control vapors (DOT 1990 Emergency Response Guidebook).

Otherwise, this report has adequately addressed the toxicological and health related aspects of the chemicals involved.

Noise

The Environmental Assessment contains no information on projected noise levels from STARS vehicles, therefore, the potential noise impacts on residential communities cannot be assessed.

The report indicates that noise impacts would not be significant since the noise is a one-time event, launches will not be simultaneous and the nearest noise sensitive area (residential), off base, is eight miles from the launch site. However, single events with noise levels significantly above the ambient levels will result in disturbances in terms of annoyances. This environmental assessment must include an analysis on the potential noise levels at the various communities that may be affected.

Sincerely,

Bruce S. Anderson

BRUCE S. ANDERSON, Ph.D.
Deputy Director for
Environmental Health

cc: Office of State Planning, Attention: John Nakagawa



Open Public
Information Act
Request Form

William E. Petty Champion
Chairman of the Cultural Resources
Review Panel
JACK P. LEFFLER, II
DONAL L. HAMER
ADVISORY DEVELOPMENT
LOCAL SOURCES
CULTURAL AFFAIRS
CONSERVATION AND
ENVIRONMENTAL AFFAIRS
PROPERTY AND UPLAND
HISTORIC PRESERVATION
LAND DIVISION
STATE PARKS
WATER AND LAND DEVELOPMENT

DOC NO: 4712
LOG NO: 1809w
SUBJECT: STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
STATE HISTORIC PRESERVATION DIVISION
SOUTH KING STREET, 11th FLOOR
HONOLULU, HAWAII 96813
REF-HP:SY

Robert F. Shearer
Chief, Environmental and Engineering Office
Department of the Army
USAADC-Runnville
P.O. Box 1500
Huntsville, Alabama 35807-3301

Dear Mr. Shearer:

SUBJECT: Draft E.I.S. for the Strategic Target System
(February 1992) U.S. Army SDC
KTF-PMP
Mama-Wai'ea, Kaua'i

Thank you for submitting the DEIS on your Strategic Target System project on February 21, 1992. The pad is already in place, and the additional infrastructure which will be built will include a possible subsurface fiber optic line and a few buildings. The area has already had its land surface extensively disturbed, and archaeological work to date indicates no significant historic sites are present.

Thus, as the federal agency responsible for this project your DEIS should make a "effect determination on significant historic sites." As we did in your EA, we would agree with your "no adverse effect" determination on significant historic sites if all project elements that will disturb relatively unaltered land surfaces will undergo subsurface testing prior to construction to cover the possibility of sites being present and if significant historic sites are found, then appropriate mitigation will occur in accordance with your contingency plan.

We do have some comments and corrections in reviewing this DEIS:

- Under Section 3.5 Cultural Resources, page 3-27, the Nohili Dune which is a traditional historic place, is eligible for inclusion in the National Register of Historic Places. Your wording should reflect the dunes as traditional cultural property. The Nohili Dune is located just behind the launch pads at KTF.

Robert F. Shearer
Page 2

This has been discussed in the EA for STARS and EDX (USASDC) and should be stated in this section. We are reviewing this traditional cultural property now.

- On page 3-28, archaeological testing has occurred in various areas within KTF, and some deposits were found near bore holes #3 and #4. We do not use the wording "negligible subsurface findings". Should this project have impact in this area, additional archaeological subsurface testing would be done to determine the extent of the deposits.
- Under this section, additional archaeological reports have been done, which should be synthesized and included in the PEIS. The reports are: Drobiet (1991). Yent (1991). Shinn (n.d.). Walker and Rosendahl (1990). Jones (1992). Leidemann and Kirbihani (1990). Smith (1990). Douglas (1990), and Schilizzi (n.d.).
- Under Section 4.5 Cultural Resources, page 4-30, your DEIS mentions fire (4.5.1.2), but nothing is mentioned about what will be done if a fire does occur in the dune area. Previous fires at KTF were extinguished by dosing the sand on top of the fire, this practice should be avoided. The best mitigation for historic site protection may well be to let the fire burn itself out. The PEIS should describe mitigative fire control measures during a fire. We agree with the postburn archaeological survey.
- All discoveries should be treated under NAGPRA, unless an MOA (the PMR's draft Burial Treatment Plan) is signed. You should be aware under NAGPRA, all work in the area must cease for 30 days and a letter written immediately from the Base Commander to the OHA and Hui Malama I Na Kapuna O Hawaii Nei.

You have set-up a contingency plan for mitigation should significant historic sites or burials be discovered. This is not in accordance with NAGPRA. We believe the following steps should be included in the plan:

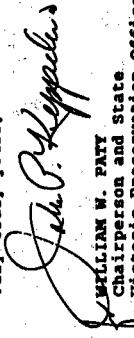
- All work in the area would be stopped, no further disturbance should take place until the situation is assessed. Human remains should be covered and the site area stabilized.
- Consultation with all pertinent parties (KTF, DoD, U.S. Navy Archaeologists, SHPO, and appropriate Hawaiian groups) shall occur to determine the appropriate form of mitigation (data recovery/preservation).

WPS1 (cont.)

Robert F. Sheare
Page 3

If you have any questions regarding this matter, please contact
Ms. Nancy McMahon our staff archaeologist for the County of Kauai
at 587-0006.

Very truly yours,



WILLIAM W. PATTY
Chairperson and State
Historic Preservation Officer

cc: Bob Homan, US Navy Archaeologist
OHA (fax)
Kauai Island Burial Council
Tirzo-Gonzalez, Advance Science Inc.
Advisory Council, Western Region

NHM:STY

CHAPTER 3

LIST OF PREPARERS

Stan Berryman, Social Resources Group Director, Advanced Sciences, Inc.

B.A., 1970, Anthropology, San Diego State University

Area of Responsibility: Cultural Resources

Years of Experience: 17

Anita Boyd, Senior Production Editor, Advanced Sciences, Inc.

B.A., 1979, English, University of California, San Diego

Area of Responsibility: Production Editor

Years of Experience: 6

Fernando Bran, Ordnance Safety Specialist, Pacific Missile Range Facility

B.A., 1984, Business Administration, University of Hawaii

Areas of Responsibility: Launch and Ordnance Safety

Years of Experience: 21

James L. Dawson, Supervisory Program Analyst, Pacific Missile Range Facility

1965 - 1970, Electronic Technician

1970 - 1981, Engineering Technician

1981 - Present, Program Analyst

Area of Responsibility: Program Documentation Support

Years of Experience: 26

Kevin Donnelly, Director, Environmental Programs, Harris Group

M.S., 1982, Engineering Management, Air Force Institute of Technology

B.S., 1981, Civil Engineering, University of New Hampshire

Areas of Responsibility: Biology, Hazardous Waste

Years of Experience: 10

Ron Freeman, Natural Resources Group Director, Advanced Sciences, Inc.

B.S., 1971, Wildlife Management, Humboldt State University

A.A., 1967, Life Science, Mesa College

Area of Responsibility: Biological Resources

Years of Experience: 18

Dennis R. Gallien, Environmental Engineer, U.S. Army Strategic Defense Command

B.S., 1979, Industrial Chemistry, University of North Alabama

Area of Responsibility: EIS Program Management

Years of Experience: 12

Richard Gonzalez, Project Engineer, U.S. Army Strategic Defense Command
B.S., 1978, Mathematics/Chemistry, University of Texas at El Paso
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 14

Tirzo Gonzalez, Archaeologist, Advanced Sciences, Inc.
B.A., 1976, Interdisciplinary Sciences, University of California, San Diego
Area of Responsibility: Cultural Resources
Years of Experience: 12

Albert Goodman, Senior Engineer, Advanced Sciences, Inc.
Ph.D., 1960, Physical Sciences, University of New Mexico
M.S., 1955, Physical Sciences, University of New Mexico
B.S., 1945, Physics, City College of New York
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 44

Donald G. Hagedorn, Socioeconomist, Advanced Sciences, Inc.
B.A., 1989, Economics, Loyola Marymount University
Area of Responsibility: Publications Support
Years of Experience: 15

Irene E. Hofer, Aerospace Engineer, Pacific Missile Test Center
M.S., 1977, Administrative Science, Naval Postgraduate School
B.S., 1958, Aeronautical Engineering, Purdue University
Areas of Responsibility: Public Health and Safety
Years of Experience: 33

Robert Inouye, Environmental Engineer, Pacific Missile Range Facility
B.S., 1961, Chemical Engineering, Purdue University
Areas of Responsibility: Socioeconomics, Infrastructure, Noise
Years of Experience: 30

Richard Irwin, Senior Engineer, SRS Technologies
B.S., 1981, Liberal Arts/Geology, University of New York
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 10

Richard S. Ivey, Vice President, Planning, CH2M HILL
M.A., 1955, Political Science, University of California, Berkeley
B.A., 1950, Political Science, Reed College
Areas of Responsibility: Senior Review, Visual, Socioeconomics
Years of Experience: 40

Vincent Izzo, Project Environmental Specialist, The Earth Technology Corporation
B.A., 1985, Geography, California State University, Northridge
Areas of Responsibility: Infrastructure, Public Health and Safety
Years of Experience: 4

Edd Joy, Senior Geographer, The Earth Technology Corporation
B.A., 1973, Geography, California State University, Northridge
Areas of Responsibility: Public Health and Safety
Years of Experience: 17

Clay Kagawa, Associate Public Works Officer, Pacific Missile Range Facility
B.S., 1966, Civil Engineering, University of Hawaii
Licensed Professional Engineer, 1970
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 26

Cheryl Kimura, Electronics Engineer, Pacific Missile Range Facility
B.S., 1989, Electrical Engineering, University of Hawaii, Manoa
Area of Responsibility: Socioeconomics
Years of Experience: 3

Aubrey H. Kunishige, Program Manager/Ops Conductor, Pacific Missile Range Facility
Diploma, 1970, Electronic Engineering Technology, Electronics Institute of Hawaii
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 21

Andrew O. Linehan, Program Manager, Environmental Documentation and Facilities Siting,
CH2M HILL
M.A., 1984, Public Affairs and Urban and Regional Planning, Princeton University
B.A., 1978, International Studies, Reed College
Area of Responsibility: Senior Review
Years of Experience: 7

Keith Lusk, Socioeconomist, Advanced Sciences, Inc.
M.A., 1985, Economics, State University of New York, Binghamton
B.A., 1983, Economics, San Diego State University
Area of Responsibility: Socioeconomics
Years of Experience: 5

LTC August C. Manguso, Product Manager, U.S. Army Strategic Defense Command
M.S., 1980, Industrial Engineering, University of Pittsburgh
B.S., 1972, U.S. Military Academy
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 19

George M. Mathews, Jr., Senior Air Quality Specialist, Advanced Sciences, Inc.
M.S., 1990, Mineral Resources Ecology, Colorado School of Mines
B.S., 1968, Zoology, Colorado State University
Area of Responsibility: Air Quality
Years of Experience: 13

Stephen H. McDougle, Senior Engineer, Lockheed Engineering and Sciences Company
B.S., 1973, Chemical Engineering, Northeastern University
Area of Responsibility: Hypergolic (Liquid) Propellants, Public Health and Safety
Years of Experience: 4

Rickie Moon, Environmental Scientist, Teledyne Brown Engineering
B.S., 1977, Chemistry/Mathematics, Samford University
Areas of Responsibility: Hazardous Waste
Years of Experience: 7

Walter Odening, Vice President, Western Region, Advanced Sciences, Inc.
Ph.D., 1971, Botany (Ecology), Duke University
M.S., 1968, Biology, San Diego State University
B.S., 1963, Biology, San Diego State University
Area of Responsibility: Program Director
Years of Experience: 23

Lawrence Pulido, Electronics Technician, Pacific Missile Test Center
1971 to 1974, Aerospace Engineering Technician, Launching and Ordnance Branch
1974 to 1984, Supervisor Electronics Section, Senior Electronic Technician, Surface Launch
Areas of Responsibility: Public Health and Safety
Years of Experience: 37

Leo Rahal, Senior Scientist, Advanced Sciences, Inc.
Ph.D., 1977, Physics, University of New Mexico
M.S., 1964, Physics, University of Detroit
B.S., 1962, Physics, University of Detroit
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 26

William E. Rawson, Environmental Engineer, U.S. Army Strategic Defense Command
B.S. EE., 1964, Electrical Engineering, Auburn University
Area of Responsibility: Program Documentation Support
Years of Experience: 27

Nelson Rodrigues, Director, Advanced Technology Group, Advanced Sciences, Inc.
M.S., 1968, Astronautical Engineering, Air Force Institute of Technology
B.S., 1966, Nuclear Engineering, Lowell Technical Institute
Areas of Responsibility: Description of Proposed Action and Alternatives, Noise
Years of Experience: 23

Irwin D. Smith, Operations Director, National Aeronautics and Space Administration
B.S., 1958, Chemical Engineering, New Mexico State University
Areas of Responsibility: Hypergolic (Liquid) Propellants, Public Health and Safety
Years of Experience: 33

Tamara West Smith, Senior Editor, CH2M HILL
Ph.D., 1976, Political Science, New York University
M.A., 1972, Philosophy, New York University
B.A., 1965, Philosophy, New York University
B.S., 1963, Political Science, City College of New York
Area of Responsibility: Project Editor
Years of Experience: 33

Joan Solinsky, Manager, Publications Department, Advanced Sciences, Inc.
B.A., 1968, English, University of California, Davis
Area of Responsibility: Managing Editor
Years of Experience: 24

Averiet Soto, Senior Project Analyst, SRS Technologies
A.A.S., 1978, Electronics Technology, Boise State University
Areas of Responsibility: Description of Proposed Action and Alternatives
Years of Experience: 12

George Wandler, Senior Project Manager, Advanced Sciences, Inc.
M.B.A., 1978, Business Administration, University of Tennessee, Knoxville
B.B.A., 1969, Business Administration, Memphis State University
Area of Responsibility: Technical Support
Years of Experience: 20

Bruce K. Will, Aerospace Engineer, Pacific Missile Test Center
M.S., 1971, Electrical Engineering, University of Idaho
B.S., 1963, Electrical Engineering, University of Idaho
Areas of Responsibility: Public Health and Safety
Years of Experience: 28

Jan M. Williams-Rice, Wildlife Biologist, Advanced Sciences, Inc.
B.A., 1990, Biology, San Diego State University
Area of Responsibility: Biological Resources
Years of Experience: 2

CHAPTER 4

REFERENCES

CHAPTER 3
LIST OF PREPARERS

CHAPTER 4

REFERENCES

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Gettier	Nannette	WR189-1 WR189-2 WR189-3 WR189-4	2-158 2-158 2-158 2-158	3-73 3-73 3-73 3-73
Godinez	Micco	OR69-1	2T2-29	3-31
Gomez	Frank	EX69-1 WR384-1	1-76 2-329	3-50 3-97
Goodwin	Gregory Imes	OR106-1	2T2-75	3-37
Gotje	Martin	WR88-1 WR88-2 WR88-3 WR88-4 WR88-5 WR88-6 WR88-7 WR88-8	2-96 2-96 2-96 2-96 2-97 2-97 2-97 2-97	3-65 3-65 3-65 3-65 3-65 3-65 3-65 3-65
Graff	Phyllis D.	WR130-1	2-122	3-68
Graham	Mary Frances	WR455-1	2-360	3-100
Granda	Cassidy	WR210-1	2-173	3-75
Granda	Che	WR240-1	2-203	3-79
Granda	Chia	WR499-1	2-380	3-104
Granda	David	WR205-1 WR213-1	2-170 2-177	3-75 3-76

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Granda	Marquita	WR208-1 WR214-1	2-172 2-178	3-75 3-76
Granda	Melosa	OR54-1 WR132-1 WR311-1	2T1-94 2-123 2-242	3-29 3-68 3-82
Granda	Sierra	WR204-1	2-170	3-75
Greenberg	Jan	WR447-1	2-358	3-100
Grier	William R.	WR340-1	2-301	3-94
Guara	Mary	WR444-1	2-357	3-99
Guerra	Raquel	WR111-1	2-111	3-67
Guinivan	Thomas	WR151-1 WR151-2 WR151-3 WR151-4 WR151-5 WR151-6 WR151-7 WR151-8 WR151-9 WR151-10	2-136 2-136 2-136 2-137 2-137 2-137 2-137 2-137 2-138 2-138	3-69 3-69 3-69 3-70 3-70 3-70 3-70 3-70 3-70 3-70
Gulliksen	Gary	WR115-1	2-113	3-67
Hager	Jim	OR93-1 EX62-1	2T2-59 1-66	3-34 3-49
Hansen	Steve	EX44-1	1-49	3-47
Hanson	Jay	OR11-1 OR11-2 OR11-3 OR11-4 EX4-1 EX4-2 EX4-3 EX4-4	2T1-41 2T1-41 2T1-41 2T1-41 1-7 1-7 1-7 1-7	3-22 3-22 3-23 3-23 3-43 3-43 3-43 3-43

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Harmony	Zacheriah Branch	OR17-1 OR17-2 WR74-1	2T1-50 2T1-51 2-85	3-24 3-24 3-64
Harrison, Ph.D.	John T.	WR496-1 WR496-2 WR496-3 WR496-4 WR496-5 WR496-6 WR496-7 WR496-8 WR496-9 WR496-10 WR496-11 WR496-12 WR496-13 WR496-14 WR496-15 WR496-16 WR496-17 WR496-18 WR496-19 WR496-20 WR496-21 WR496-22	2-371 2-371 2-371 2-371 2-371 2-372 2-372 2-372 2-372 2-372 2-372 2-372 2-372 2-372 2-372 2-372 2-372 2-373 2-373 2-373 2-373 2-373 2-373	3-102 3-102 3-102 3-102 3-102 3-102 3-102 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-103 3-104
Harty	Janeen	WR470-1	2-364	3-101
Hashimoto	Jackie	OR151-1	2T2-134	3-42
Hau	William	OR59-1	2T1-101	3-30
Hazlett	Anelle	OR4-1 EX2-1 EX26-1	2T1-31 1-6 1-35	3-20 3-43 3-46
Heacock	Don	OR118-1 OR118-2 OR118-3 OR118-4 OR118-5 WR16-1	2T2-92 2T2-92 2T2-92 2T2-92 2T2-92 2-13	3-38 3-38 3-38 3-38 3-38 3-56

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		WR16-2	2-13	3-56
		WR16-3	2-13	3-56
		WR16-4	2-13	3-56
Hee	Marisha	WR386-1	2-330	3-97
		WR386-2	2-331	3-97
		WR386-3	2-331	3-97
Hee	Marsha	WR383-1	2-328	3-97
		WR383-2	2-328	3-97
Henderson	Frank	WR168-1	2-147	3-72
Henriques	Eugene	OR45-1	2T1-84	3-28
		WR314-1	2-248	3-84
Hilbonson	M.	WR501-1	2-381	3-104
		WR501-2	2-381	3-104
Hill	Khiyani	OR38-1	2T1-76	3-27
		OR38-2	2T1-76	3-27
		OR38-3	2T1-76	3-27
		OR38-4	2T1-77	3-27
Hiraoka	Bernice	WR288-1	2-229	3-81
Hirata	Gerald M.	WR162-1	2-144	3-71
		WR162-2	2-144	3-71
		WR299-1	2-235	3-82
Hoffmann, PhD	James	WR258-1	2-213	3-79
Holi	Wilma	OR95-1	2T2-62	3-35
Holley	Anson	OR99-1	2T2-66	3-35
		OR99-2	2T2-66	3-35
		OR99-3	2T2-67	3-35
Honjiyo	William T.	OR75-1	2T2-35	3-31
		EX36-1	1-43	3-47
Hopkins	Kimberly	WR102-1	2-107	3-66

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Horibe	Harriet K.	EX93-1	1-97	3-51
Horowitz	Adam J.	OR28-1 WR134-1	2T1-64 2-125	3-26 3-68
Hudson	Joan	WR244-1	2-205	3-79
Hughes	William C.	EX76-1	1-80	3-50
Hurd	Amy	OR91-1	2T2-58	3-34
Hutchings	Jennie	WR20-1	2-15	3-56
Ibanez	Ingrid	OR82-1 OR82-2 OR82-3 OR82-4 OR82-5	2T2-43 2T2-43 2T2-43 2T2-43 2T2-43	3-32 3-32 3-32 3-32 3-33
Illegible		WR149-1	2-135	3-69
Ingram	Renee	WR77-1	2-88	3-64
Inouye	Daniel K.	WR329-1	2-290	3-93
Inouye	Robert	OR14-1 EX5-1	2T1-47 1-11	3-24 3-43
Irwin	Joyce	EX32-1	1-40	3-46
Irwin	Richard M.	OR25-1 EX9-1 EX9-2 EX9-3 EX9-4 EX9-5 EX9-6 EX9-7 EX9-8 EX9-9 EX9-10 EX9-11 EX9-12	2T1-61 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15 1-15	3-26 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-44 3-45

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		EX9-13	1-15	3-45
		EX9-14	1-16	3-45
		EX9-15	1-16	3-45
		EX9-16	1-16	3-45
		EX9-17	1-16	3-45
		EX9-18	1-16	3-45
		EX9-19	1-17	3-45
		EX49-1	1-52	3-47
		EX106-1	1-109	3-51
Ishikawa	Robert	OR53-1	2T1-92	3-29
Jackson	Norman W.	WR318-1	2-266	3-85
		WR318-2	2-266	3-85
		WR318-3	2-266	3-85
Jacobsen	David	WR491-1	2-369	3-101
Jager	Diane	WR180-1	2-153	3-72
Jager	Fred	OR18-1	2T1-51	3-24
		OR18-2	2T1-51	3-24
		OR18-3	2T1-52	3-24
		WR135-1	2-126	3-68
Jarvis	Barbara	EX28-1	1-37	3-46
		WR482-1	2-367	3-101
Jetty	Chas	OR71-1	2T2-31	3-31
Jones	Dr. Michael	OR105-1	2T2-73	3-36
		OR105-2	2T2-74	3-36
		OR105-3	2T2-74	3-36
		OR105-4	2T2-74	3-37
		OR105-5	2T2-74	3-37
Jones	Jullita	WR252-1	2-210	3-79
Jones	Ken	OR81-1	2T2-42	3-32
		OR81-2	2T2-42	3-32
		OR81-3	2T2-42	3-32
		EX64-1	1-68	3-49
		EX64-2	1-69	3-49

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		WR423-1	2-349	3-99
Jones	Mary Mildred	WR308-1	2-240	3-82
		WR395-1	2-335	3-97
		WR489-1	2-369	3-101
Jones	Michael	WR2-1	2-3	3-52
		WR2-2	2-3	3-52
		WR2-3	2-3	3-52
		WR2-4	2-4	3-53
		WR2-5	2-4	3-53
		WR2-6	2-4	3-53
		WR2-7	2-4	3-53
		WR2-8	2-4	3-53
		WR2-9	2-4	3-54
		WR90-1	2-100	3-65
		WR90-2	2-100	3-66
Jones	Roberta	OR112-1	2T2-85	3-37
Jordan	Judy	WR373-1	2-322	3-96
Ka'iakapa	Patricia	WR483-1	2-367	3-101
Kaauai-Anama	Nalai K.	WR192-1	2-160	3-73
		WR192-2	2-160	3-74
		WR192-3	2-160	3-74
Kaaumai-Anama	Nalani K.	WR117-1	2-114	3-67
		WR117-2	2-114	3-67
		WR117-3	2-114	3-67
Kaaumoana	Nanette	OR65-1	2T2-23	3-30
		OR65-2	2T2-23	3-30
		OR65-3	2T2-23	3-30
		OR65-4	2T2-23	3-30
		OR65-5	2T2-23	3-30
		OR65-6	2T2-23	3-30
		OR65-7	2T2-24	3-31
		EX41-1	1-46	3-47
		EX41-2	1-46	3-47
		EX41-3	1-46	3-47
		EX41-4	1-46	3-47

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Kagawa	Ross	OR73-1	2T2-33	3-31
Kaipaka	Marilyn Miki	WR412-1	2-344	3-98
Kalamaau	Lei	OR63-1 WR89-1	2T2-20 2-98	3-30 3-65
Kanna	George A.	EX84-1	1-88	3-50
Kanoho	Ezra	OR2-1 OR2-2 OR2-3 OR2-4 EX1-1 EX1-2 EX1-3 EX1-4	2T1-28 2T1-28 2T1-29 2T1-29 1-3 1-3 1-3 1-3	3-20 3-20 3-20 3-20 3-43 3-43 3-43 3-43
Kaopio	Kaleialii	OR129-1 EX65-1	2T2-106 1-69	3-40 3-49
Kaopio Jr.	Matthew	EX14-1	1-29	3-45
Katahara	Glenn	WR295-1	2-233	3-81
Kawakami	Bertha	OR2-1 OR2-2 OR2-3 OR2-4 EX1-1 EX1-2 EX1-3 EX1-4	2T1-28 2T1-28 2T1-29 2T1-29 1-3 1-3 1-3 1-3	3-20 3-20 3-20 3-20 3-43 3-43 3-43 3-43
Kawamura	Edward	EX12-1	1-28	3-45
Kawane	Wallace M.	WR83-1	2-91	3-64
Kekahu III	John K.	WR325-1	2-271	3-85
Kelley	Mary Lu	WR43-1 WR331-1 WR331-2	2-34 2-296 2-296	3-61 3-93 3-93

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		WR331-3	2-296	3-93
Keough	Kirby	WR406-1	2-341	3-98
		WR484-1	2-368	3-101
Kepner	Brandon W.	WR283-1	2-227	3-81
Keppeler	John	WR194-1	2-162	3-74
		WR194-2	2-162	3-74
		WR194-3	2-162	3-74
Kimball	Deborah	OR66-1	2T2-24	3-31
		OR66-2	2T2-24	3-31
		OR66-3	2T2-25	3-31
		OR66-4	2T2-25	3-31
		EX42-1	1-47	3-47
		EX42-2	1-47	3-47
		EX42-3	1-47	3-47
		EX42-4	1-47	3-47
Knaps, MD	Albrecht	WR468-1	2-363	3-100
Kneps	Christine	WR420-1	2-348	3-98
Kolder	Teri	WR112-1	2-112	3-67
Korte	Gera	WR82-1	2-90	3-64
		WR436-1	2-355	3-99
Kouchi	Ronald	EX45-1	1-50	3-47
Kucera	Darris	WR141-1	2-129	3-69
Kucera	Richard F.	WR142-1	2-130	3-69
Kuhn	David	WR47-1	2-37	3-61
Kunze	Marc	EX46-1	1-50	3-47
Kurasahi	Steve	WR91-1	2-101	3-66
Kuroiwa	Paul S.	EX88-1	1-92	3-51

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Kutaka	Vivian	WR34-1	2-26	3-60
LaFete	Soleille	WR267-1	2-218	3-80
Langford	Amy	EX19-1	1-32	3-46
Langford	R.	EX20-1	1-32	3-46
Lawrence	Randy	WR316-1	2-265	3-85
Lawshe	James S.	OR68-1 EX33-1 EX63-1	2T2-27 1-40 1-67	3-31 3-46 3-49
Layer	Robert	OR101-1 WR369-1	2T2-69 2-320	3-36 3-96
Leach	Collin	OR157-1 OR157-2 OR157-3 OR157-4 WR417-1 WR488-1	2T2-138 2T2-138 2T2-138 2T2-138 2-346 2-369	3-43 3-43 3-43 3-43 3-98 3-101
Lee	Kekapa	WR318-1 WR318-2 WR318-3	2-266 2-266 2-266	3-84 3-85 3-85
Lee	Lee	WR445-1	2-357	3-100
Leihitu-Pellin	Carolina	WR464-1	2-362	3-100
Leone	Yolanda	EX72-1	1-78	3-50
Lerner	S.	WR495-1	2-370	3-102
Lester	Ruth Ann	WR1-1 WR349-1	2-3 2-306	3-52 3-94
Levine	Robert E.	WR6-1	2-6	3-54
Levine	Steven	WR487-1	2-368	3-101

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Lewin	John	WR510-1 WR510-2 WR510-3 WR510-4 WR510-5 WR510-6 WR510-7 WR510-8 WR510-9 WR510-10 WR510-11 WR510-12	2-387 2-387 2-387 2-388 2-388 2-388 2-388 2-388 2-388 2-388 2-388 2-388	3-104 3-105 3-105 3-105 3-105 3-105 3-105 3-105 3-105 3-105 3-105 3-105
Lewis	Dickie	WR269-1	2-219	3-80
Liha	Manisha	WR238-1	2-201	3-78
Livingston	Jana	WR23-1	2-17	3-56
Lo	Catherine P.	WR164-1 WR164-2 WR289-1	2-145 2-145 2-230	3-71 3-71 3-81
Lo	Karl	WR163-1 WR163-2 WR178-1 WR178-2 WR178-3	2-144 2-144 2-152 2-152 2-152	3-71 3-71 3-72 3-72 3-72
Long	Lyn	WR136-1 WR458-1	2-127 2-361	3-68 3-100
Long	William	WR137-1	2-127	3-69
Loomis	Jilda	WR182-1	2-154	3-72
Losefo	Sister Pesio	WR175-1	2-150	3-72
Love	Charley	WR351-1	2-307	3-95
Love	John	OR23-1 EX7-1	2T1-58 1-13	3-25 3-43

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Lucas	Mary E.	WR58-1	2-45	3-62
Luinn	Jeannie	WR131-1	2-123	3-68
Lundgren	Dr. Jack	OR5-1	2T1-33	3-21
Maarewicz	Conrad	OR92-1 OR92-2	2T2-59 2T2-59	3-34 3-34
Mackey	Kathie L.	WR5-1	2-5	3-54
Macknowski	Robert	WR73-1	2-84	3-64
Magee	Linda	OR30-1	2T1-67	3-26
Mahal	Ahmen	OR156-1	2T2-137	3-43
Mahal	Enshura	OR56-1 OR56-2 OR56-3 OR56-4 OR56-5	2T1-96 2T1-96 2T1-96 2T1-97 2T1-97	3-29 3-29 3-29 3-29 3-29
Makarewicz	Irene	WR235-1	2-198	3-78
Makarewicz	Roman	WR236-1	2-198	3-78
Makarewicz	Sienna	WR234-1 WR323-1	2-197 2-270	3-78 3-85
Makuaole	Sandra	EX86-1	1-90	3-50
Manaker	Ray A.	WR475-1	2-365	3-101
Mandel	Laura	WR179-1	2-152	3-72
Mandel	Mark	WR183-1	2-154	3-72
Mandeville	Christopher	OR137-1	2T2-118	3-40
Manini, Sr.	Joseph Punilei	WR65-1	2-49	3-62
Mansfield	Becky	WR85-1	2-93	3-64

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		WR374-1	2-323	3-96
Marchino	Robert	OR50-1	2T1-89	3-28
Marcus	David	WR388-1 WR429-1	2-332 2-352	3-97 3-99
Mariano	Ferdinand	WR257-1	2-212	3-79
Marinelli	Suzanne	OR72-1 OR72-2 EX56-1 EX56-2 WR62-1 WR231-1 WR231-2 WR231-3 WR231-4 WR231-5 WR231-6 WR231-7	2T2-32 2T2-32 1-60 1-61 2-47 2-190 2-190 2-190 2-190 2-191 2-191 2-191	3-31 3-31 3-48 3-48 3-62 3-77 3-77 3-77 3-77 3-78 3-78 3-78
Markowski	Mark M.	EX80-1	1-84	3-50
Marston	Nani	OR144-1	2T2-126	3-42
Martin	Mrs.	WR80-1	2-89	3-64
Martin	Rodney	OR140-1 EX92-1	2T2-120 1-96	3-41 3-51
Marty	Conrad	WR122-1	2-117	3-68
Masters	Mark	WR457-1	2-360	3-100
Matthews	Ann	WR233-1 WR500-1	2-197 2-380	3-78 3-104
Mayall	Hilary	WR251-1 WR463-1	2-209 2-362	3-79 3-100
McBride	Bonnie	WR228-1	2-186	3-77

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McBride	Brigid	OR51-1	2T1-90	3-28
		OR51-2	2T1-90	3-28
		WR66-1	2-78	3-62
		WR66-2	2-78	3-62
		WR66-3	2-78	3-62
		WR196-1	2-165	3-74
		WR196-2	2-165	3-74
		WR196-3	2-165	3-74
		WR361-1	2-315	3-95
		WR361-2	2-315	3-95
		WR361-3	2-315	3-95
Mcclelland-Cowan	Kathy	WR95-1	2-103	3-66
McCuistion	Laura	WR86-1	2-93	3-64
McGregor	Dr. Davianna	OR125-1	2T2-101	3-38
		OR125-2	2T2-101	3-38
		OR125-3	2T2-101	3-39
		OR125-4	2T2-101	3-39
		OR125-5	2T2-102	3-39
		OR125-6	2T2-102	3-39
		OR125-7	2T2-102	3-39
		OR125-8	2T2-102	3-39
		OR125-9	2T2-102	3-39
		EX54-1	1-56	3-48
		EX54-2	1-56	3-48
		EX54-3	1-56	3-48
		EX54-4	1-56	3-48
		EX54-5	1-56	3-48
		EX54-6	1-57	3-48
		EX54-7	1-57	3-48
		EX54-8	1-57	3-48
		EX54-9	1-57	3-48
		EX54-10	1-57	3-48
		EX54-11	1-57	3-48
		EX54-12	1-57	3-48
McHenry		WR360-1	2-314	3-95
McHenry	Robert W.	WR260-1	2-214	3-80
McKenna	Cynthia	WR186-1	2-156	3-73

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McKeown	Barry	EX99-1	1-103	3-51
McKibbin	Doug	WR158-1	2-141	3-71
Measel	Robert	OR52-1	2T1-92	3-28
Measel, Jr.	Robert	WR418-1 WR432-1	2-347 2-354	3-98 3-99
Medico	Jane	WR125-1	2-118	3-68
Mehl	Helen M.	WR72-1 WR72-2 WR334-1 WR334-2 WR334-3 WR334-4 WR334-5	2-83 2-83 2-298 2-298 2-298 2-298 2-298	3-64 3-64 3-93 3-93 3-93 3-93 3-93
Melendez	Deborah	WR55-1 WR109-1	2-43 2-110	3-62 3-67
Mendelson	Meryl	WR425-1	2-350	3-99
Mentley	Lue	WR387-1	2-331	3-97
Meorolt	David	WR145-1	2-133	3-69
Merrimax	Francis	WR15-1 WR390-1	2-13 2-333	3-56 3-97
Mesler	James	WR22-1	2-17	3-56
Metteauea	Craig	WR490-1	2-369	3-101
Meyer	Bob	OR48-1 OR48-2	2T1-87 2T1-87	3-28 3-28
Michaelsen	Lillian	WR367-1	2-319	3-96
Miller	Bonnie	WR172-1	2-149	3-72
Miller	Mary Pat	WR211-1	2-173	3-75

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Minium	Flora	WR92-1	2-101	3-66
Mink	Patsy T.	OR83-1	2T2-45	3-33
		OR83-2	2T2-46	3-33
		OR83-3	2T2-46	3-33
		OR83-4	2T2-47	3-33
		OR83-5	2T2-47	3-33
		OR83-6	2T2-47	3-33
		OR83-7	2T2-48	3-33
		OR83-8	2T2-48	3-33
		EX66-1	1-72	3-49
		EX66-2	1-72	3-49
		EX66-3	1-72	3-49
		EX66-4	1-72	3-50
		EX66-5	1-73	3-50
		EX66-6	1-73	3-50
		EX66-7	1-73	3-50
		EX66-8	1-73	3-50
Mirowsky	Lawrence	EX104-1	1-108	3-51
Mitchell	Wendy	OR36-1	2T1-75	3-27
		WR400-1	2-338	3-98
Molira	Rodney	EX39-1	1-44	3-47
Momohara	Dan	OR122-1	2T2-98	3-38
Mons	Marion	OR87-1	2T2-53	3-34
		OR87-2	2T2-53	3-34
		OR87-3	2T2-54	3-34
		WR297-1	2-234	3-81
		WR297-2	2-234	3-81
		WR297-3	2-234	3-82
		WR297-4	2-234	3-82
Moore	Sally Jo	WR278-1	2-224	3-80
Morgan	Candice	OR153-1	2T2-135	3-42
Morikawa	Muggsy K.	EX87-1	1-91	3-50
Morris	Patrice	WR280-1	2-225	3-80

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Morris	Richard J.	EX100-1	1-104	3-51
Morrow	Melissa	WR509-1	2-386	3-104
Morton	Laka	OR97-1	2T2-64	3-35
		OR97-2	2T2-65	3-35
		OR97-3	2T2-65	3-35
		WR368-1	2-319	3-96
Mossman	Vida	EX37-1	1-43	3-47
Mulhall	Mary	EX15-1	1-30	3-45
Muraoka	Rene	WR103-1	2-107	3-66
Murayama	Robin	EX96-1	1-100	3-51
Nakahara	Joyce	WR113-1	2-112	3-67
Nansel	Lisa de Treax	WR184-1	2-155	3-72
Native Hawaiian Advisory Council		WR71-1	2-82	3-63
Nekomoto	David S.	OR4-1 EX2-1	2T1-31 1-6	3-20 3-43
Nelson	Alice	OR46-1	2T1-85	3-28
Nelson	Krija S.	WR123-1	2-117	3-68
Neumann	Janet	OR86-1	2T2-52	3-33
		OR86-2	2T2-52	3-34
		OR86-3	2T2-52	3-34
		OR86-4	2T2-52	3-34
		OR86-5	2T2-52	3-34
		WR215-1	2-178	3-76
		WR461-1	2-361	3-100
Niau	Sonny	OR136-1	2T2-116	3-40
Nichols	Lori	WR450-1	2-359	3-100

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Nihi	Ben	OR16-1	2T1-48	3-24
Nishihira	Amy C.	WR255-1 WR255-2	2-211 2-211	3-79 3-79
Nishimoto	Catherine & Brysone	WR277-1	2-223	3-80
Norris	Tom	OR100-1 OR100-2 OR100-3 OR100-4 WR328-1 WR328-2 WR328-3 WR328-4 WR328-5 WR328-6 WR328-7 WR438-1	2T2-68 2T2-68 2T2-68 2T2-69 2-286 2-286 2-287 2-287 2-287 2-288 2-288 2-356	3-35 3-36 3-36 3-36 3-92 3-92 3-92 3-92 3-92 3-92 3-93 3-99
Nunes	Wendell	OR88-1	2T2-54	3-34
O'Donnell	Jim	OR135-1 WR498-1	2T2-114 2-377	3-40 3-104
O'Donnell	Sally	OR134-1 OR134-2 OR134-3 OR134-4 OR134-5 WR414-1	2T2-113 2T2-113 2T2-113 2T2-113 2T2-113 2-345	3-40 3-40 3-40 3-40 3-40 3-98
O'Hearn	Michelle	WR282-1 WR405-1	2-226 2-340	3-81 3-97
Oceana	Alia	WR392-1	2-334	3-97
Oda	Ronald M.	WR93-1	2-102	3-66
Offley	Caleb M.	WR147-1 WR247-1	2-134 2-207	3-69 3-79
Oliver	Dennis J.	WR166-1	2-146	3-72

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Oliver	Polli	OR117-1 OR117-2 WR165-1	2T2-91 2T2-91 2-145	3-38 3-38 3-71
Ovarton	L.	WR453-1	2-359	3-100
Owen	Betty	WR415-1	2-345	3-98
Pa	Cyndi	WR272-1	2-220	3-80
Paglinawan	Richard K.	WR67-1 WR67-2 WR67-3 WR67-4 WR67-5 WR67-6 WR67-7 WR67-8	2-79 2-79 2-79 2-79 2-79 2-80 2-80 2-80	3-63 3-63 3-63 3-63 3-63 3-63 3-63 3-63
Paigge	Barbara Jean	WR411-1	2-343	3-98
Palmer	Pamela	WR31-1 WR190-1 WR190-2 WR291-1 WR291-2 WR343-1	2-23 2-158 2-158 2-231 2-231 2-303	3-58 3-73 3-73 3-81 3-81 3-94
Palting	Larry	WR187-1	2-157	3-73
Parks	Andrew	OR77-1 EX105-1	2T2-37 1-109	3-32 3-51
Parsons	Judith	WR60-1	2-46	3-62
Partida	Alberto	OR148-1	2T2-129	3-42
Partido	Alberto	WR366-1 WR465-1	2-318 2-362	3-96 3-100
Patterson	A.J.	WR248-1 WR248-2	2-208 2-208	3-79 3-79

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Patterson	Kaleo	WR313-1 WR313-2 WR313-3 WR313-4 WR313-5 WR313-6 WR313-7 WR313-8 WR313-9 WR313-10 WR313-11 WR313-12 WR313-13 WR313-14 WR313-15 WR313-16 WR313-17 WR313-18 WR313-19 WR313-20 WR313-21 WR313-22 WR313-23 WR313-24 WR313-25	2-244 2-244 2-244 2-245 2-245 2-245 2-245 2-245 2-245 2-245 2-245 2-246 2-246 2-246 2-246 2-246 2-246 2-247 2-247 2-247 2-247 2-247 2-247 2-247 2-247 2-247 2-248	3-83 3-83 3-83 3-83 3-83 3-83 3-83 3-83 3-83 3-83 3-83 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84 3-84
Patterson	Rev. Kaleo	OR103-1 OR103-2 OR103-3 OR103-4 OR103-5 EX111-1	2T2-70 2T2-71 2T2-71 2T2-71 2T2-71 1-118	3-36 3-36 3-36 3-36 3-36 3-52
Patts	John	OR57-1 OR57-2	2T1-98 2T1-98	3-29 3-29
Patula	Al	WR197-1 WR197-2	2-166 2-166	3-74 3-74
Paty	William	WR194-1 WR194-2 WR194-3 WR511-1	2-162 2-162 2-162 2-389	3-73 3-74 3-74 3-106

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		WR511-2	2-389	3-106
		WR511-3	2-389	3-106
		WR511-4	2-389	3-106
		WR511-5	2-389	3-106
Pearson	Mark	WR293-1	2-232	3-81
Pelegrino	James D.	EX101-1	1-105	3-51
Peragine	Lana	WR346-1	2-304	3-94
Perrotta, Jr.	Louis A.	WR45-1 WR330-1 WR330-2 WR330-3 WR330-4 WR330-5 WR437-1	2-36 2-291 2-291 2-291 2-292 2-292 2-355	3-61 3-93 3-93 3-93 3-93 3-93 3-99
Peterson	Glenn	OR8-1	2T1-37	3-21
Petrich	Alfred J.	WR296-1	2-234	3-81
Petrich	Doris	WR200-1	2-167	3-74
Pickett	Kathleen K.	WR266-1	2-217	3-80
Pickett	Thomas S.	WR249-1	2-208	3-79
Poliatch	Karen Bacon	WR408-1	2-342	3-98
Pomroy	Sharon	OR19-1 OR19-2 OR19-3	2T1-52 2T1-52 2T1-53	3-24 3-24 3-24
Post	Amy	WR440-1	2-356	3-99
Post	Wallis	WR441-1	2-356	3-99
Prater	Sharon	OR26-1	2T1-62	3-26
Price	Jana	WR42-1 WR352-1	2-33 2-308	3-61 3-95

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Rawlins	Debra	WR128-1	2-121	3-68
Read	Raymond C.	WR424-1	2-350	3-99
Rediger	Cliff	OR121-1	2T2-95	3-38
Rhodes	David & Heidi	WR225-1	2-183	3-76
Rhodes	Heidi	WR284-1	2-227	3-81
Richardson	Lorraine	WR507-1	2-384	3-104
Ridgeway	Lynn	WR364-1	2-317	3-96
Riedel	Suzanne	WR37-1	2-28	3-60
Riklon	Johnsay A.	WR230-1	2-188	3-77
Riklon	Julian	OR13-1 WR133-1	2T1-46 2-125	3-24 3-68
Riley	Joni	OR133-1 OR133-2 OR133-3 OR133-4 EX52-1 EX52-2 WR265-1	2T2-111 2T2-112 2T2-112 2T2-112 1-55 1-54 2-217	3-40 3-40 3-40 3-40 3-48 3-48 3-80
Rita	D.M.	OR146-1 EX51-1	2T2-127 1-53	3-42 3-48
Robinson	Keith	OR33-1	2T1-70	3-27
Rodarte	Sandra	WR198-1	2-166	3-74
Rogers	Cassidy	WR155-1	2-140	3-70
Rogers	Django	WR294-1	2-233	3-81
Rogers	Nani	OR126-1 OR126-2 WR87-1	2T2-103 2T2-104 2-94	3-39 3-39 3-64

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Rosenfeld	Dale	EX30-1 WR416-1	1-38 2-346	3-46 3-98
Ross	Lisa K.	WR344-1	2-303	3-94
Ross	Richard	EX82-1	1-86	3-50
Rossite	Don	WR466-1	2-363	3-100
Roversi	Lee	WR286-1	2-228	3-81
Rubenstein	Gary	WR9-1 WR9-2 WR9-3 WR9-4 WR9-5 WR9-6 WR9-7	2-8 2-9 2-9 2-9 2-9 2-9 2-9	3-55 3-55 3-55 3-55 3-55 3-55 3-56
Rubio	Ralph	WR104-1	2-108	3-66
Ruiz	Ginger	OR147-1 EX50-1	2T2-128 1-53	3-42 3-47
Sabbatini	Lola	WR454-1	2-360	3-100
Sadomiano	Francisco	WR303-1	2-238	3-82
Sakoda	Larry	EX89-1	1-93	3-51
Salamonsen	P.J.	WR144-1	2-132	3-69
Salburg	Harry	WR371-1	2-321	3-96
Salsburg	Harry	OR35-1 OR35-2 OR35-3 OR35-4	2T1-73 2T1-73 2T1-74 2T1-74	3-27 3-27 3-27 3-27
Sample	Gary	OR29-1 OR29-2 OR29-3 OR29-4	2T1-66 2T1-66 2T1-66 2T1-66	3-26 3-26 3-26 3-26

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		OR29-5	2T1-66	3-26
		OR29-6	2T1-67	3-26
		OR29-7	2T1-67	3-26
Santos	Carolina	EX91-1	1-95	3-51
Sato	Glenn H.	WR33-1	2-25	3-58
		WR33-2	2-25	3-58
		WR33-3	2-25	3-58
		WR33-4	2-25	3-58
		WR33-5	2-25	3-58
		WR33-6	2-25	3-59
		WR33-7	2-25	3-59
		WR33-8	2-25	3-59
		WR33-9	2-25	3-59
		WR33-10	2-26	3-59
		WR33-11	2-26	3-60
		WR33-12	2-26	3-60
		WR33-13	2-26	3-60
		WR33-14	2-26	3-60
		WR33-15	2-26	3-60
Saunders	Cheryl Ann	OR32-1	2T1-69	3-27
		OR32-2	2T1-69	3-27
Saunders	David P.	OR6-1	2T1-34	3-21
Scamahorn	Elizabeth	OR37-1	2T1-75	3-27
		OR37-2	2T1-76	3-27
		OR37-3	2T1-76	3-27
		EX10-1	1-19	3-45
		EX10-2	1-19	3-45
		EX10-3	1-19	3-45
Schaefer	Brian	OR96-1	2T2-63	3-35
		OR96-2	2T2-63	3-35
		EX61-1	1-65	3-49
		EX61-2	1-65	3-49
Schavone	Tracy	OR74-1	2T2-33	3-31
Schield	T.	WR287-1	2-229	3-81

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Schlichter	Joseph	WR375-1	2-323	3-96
Schofield	Faye	WR452-1	2-359	3-100
Schutt	LaRae	WR317-1	2-266	3-85
Scott	John	OR10-1 OR10-2 OR10-3 OR10-4 OR10-5 OR10-6 OR10-7	2T1-39 2T1-40 2T1-40 2T1-40 2T1-40 2T1-40 2T1-40	3-21 3-21 3-21 3-22 3-22 3-22 3-22
Serle	Ranjana	WR310-1	2-241	3-82
Serle	Ronald	WR321-1	2-269	3-85
Shanha	Michael	WR154-1	2-139	3-70
Shapiro	Dan	WR382-1 WR473-1	2-327 2-364	3-97 3-101
Shapiro	Howard	WR28-1 WR28-2	2-21 2-21	3-57 3-57
Shea	Kate Harrington	WR61-1	2-46	3-62
Sherman	Richard	WR56-1 WR350-1 WR350-2	2-44 2-307 2-307	3-62 3-94 3-94
Sherrow	Cat	EX34-1	1-41	3-47
Shiebert	Todd	OR85-1 OR85-2	2T2-50 2T2-51	3-33 3-33
Shields	Ron	OR98-1 WR11-1	2T2-65 2-11	3-35 3-56
Siegel	Lenny	OR35-1 OR35-2 OR35-3	2T1-73 2T1-73 2T1-74	3-27 3-27 3-27

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		OR35-4	2T1-74	3-27
Simpson	Scott	OR111-1 OR111-2	2T2-84 2T2-84	3-37 3-37
Sivadas	Iraja	WR101-1	2-106	3-66
Slater	Gary	OR27-1 OR27-2	2T1-63 2T1-64	3-26 3-26
Smith	Drake	WR138-1	2-128	3-69
Smockhoffmann, Sharon PhD		WR262-1	2-215	3-80
Snyder	E.C.	WR44-1	2-34	3-61
Snyder	Fred	WR78-1	2-88	3-64
Snyder, M.D.	Maria C.	WR12-1 WR342-1 WR421-1	2-11 2-302 2-348	3-56 3-94 3-98
Soleysik	Steve & Linda	WR492-1	2-370	3-101
Soleysik	Steven R.	WR403-1	2-339	3-98
Solomon	Rebecca Eve	WR152-1	2-138	3-70
Soto	Averiet	OR24-1 OR24-2 EX8-1 EX8-2	2T1-59 2T1-60 1-13 1-13	3-25 3-25 3-43 3-43
Soto	Peggy	EX94-1	1-98	3-51
Speed	Errol	OR123-1	2T2-98	3-38
Spencer	Shelly	WR218-1	2-180	3-76
Spillane	Patricia B.	WR355-1	2-310	3-95
Spinnler	Jesse	WR281-1	2-225	3-81

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Stamler	Vickie	OR49-1 OR49-2 OR49-3 OR49-4 OR49-5 OR49-6 OR49-7	2T1-88 2T1-88 2T1-88 2T1-88 2T1-88 2T1-89 2T1-89	3-28 3-28 3-28 3-28 3-28 3-28 3-28
Star	Regina	OR141-1	2T2-122	3-41
Star	Ruby	WR174-1	2-150	3-72
Star	Tim	OR80-1 OR80-2 OR80-3 EX60-1 EX60-2 EX60-3 WR292-1	2T2-40 2T2-41 2T2-41 1-64 1-64 1-64 2-231	3-32 3-32 3-32 3-49 3-49 3-49 3-81
Stark	June B.	WR176-1	2-151	3-72
Stark-Wickman	Cynthia	OR9-1 OR9-2 EX3-1	2T1-38 2T1-38 1-7	3-21 3-21 3-43
Stayton	Susan	WR504-1 WR504-2 WR504-3	2-382 2-382 2-382	3-104 3-104 3-104
Steidle	Karen	WR227-1	2-185	3-77
Steinwachs	Leslie	WR76-1	2-87	3-64
Stevens	Scott W.	EX85-1	1-90	3-50
Steward	Kathleen	WR26-1 WR26-2 WR26-3	2-19 2-19 2-20	3-56 3-57 3-57
Stocker	Steven C.	WR232-1	2-196	3-78
Stokes	Debbie	WR506-1	2-383	3-104

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Stong	Richard	OR22-1 EX6-1	2T1-56 1-12	3-25 3-43
Strard	Kathleen	WR354-1	2-309	3-95
Stuart	Barbara P.	WR315-1 WR315-2 WR315-3	2-265 2-265 2-265	3-84 3-84 3-85
Sullivan	Leatrice	WR202-1	2-168	3-75
Sussman	Gaetal	EX17-1	1-31	3-46
Sussman	Michael	EX13-1	1-29	3-45
Swalurt	George	EX38-1	1-44	3-47
Swatek	Michael	WR52-1 WR376-1 WR376-2 WR376-3	2-42 2-324 2-324 2-324	3-61 3-96 3-96 3-96
Takemoto	Tsugime	WR54-1	2-43	3-62
Taylor	Gabriella	OR120-1 OR120-2 OR120-3 WR356-1 WR356-2 WR356-3	2T2-95 2T2-95 2T2-95 2-311 2-311 2-311	3-38 3-38 3-38 3-95 3-95 3-95
Templeton	Skip	WR177-1	2-151	3-72
Thal	Karuna	OR84-1 OR84-2	2T2-49 2T2-49	3-33 3-33
Thomson	Joseph	WR39-1 WR39-2 WR39-3 WR119-1 WR119-2 WR156-1 WR156-2	2-32 2-32 2-32 2-115 2-115 2-140 2-140	3-60 3-60 3-60 3-68 3-68 3-70 3-71

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		WR347-1	2-305	3-94
Tillman	Ingrid	WR264-1 WR477-1	2-216 2-366	3-80 3-101
Tokehan	Lee Ann	WR150-1	2-135	3-69
Tomas	Sharon	EX73-1	1-78	3-50
Tomlinson	Jay	WR169-1	2-147	3-72
Tottorio	Leland	OR94-1 OR94-2	2T2-61 2T2-61	3-35 3-35
Trask	Arthur	OR39-1	2T1-78	3-28
Trembath	Healani	OR127-1	2T2-104	3-39
Tuck	Carmela	OR110-1 OR110-2 OR110-3 OR110-4 OR110-5 EX31-1 EX31-2 EX31-3 EX31-4 EX31-5 WR358-1 WR358-2 WR358-3 WR460-1	2T2-83 2T2-83 2T2-83 2T2-83 2T2-83 1-39 1-39 1-39 1-39 1-39 1-39 2-312 2-312 2-312 2-361	3-37 3-37 3-37 3-37 3-37 3-46 3-46 3-46 3-46 3-46 3-46 3-95 3-95 3-95 3-100
Tyler, R.N.	Nancy	WR185-1 WR185-2 WR185-3	2-156 2-156 2-156	3-72 3-72 3-73
Ulii-Caster	Charlene	OR20-1	2T1-53	3-25
Unanian	Betty	WR380-1 WR434-1	2-326 2-354	3-97 3-99
Unanian	E.	WR389-1	2-332	3-97

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Unknown		EX70-1 EX71-1	1-77 1-77	3-50 3-50
Unreadable		EX16-1 WR339-1	1-30 2-301	3-45 3-94
Unsigned		WR50-1 WR365-1 WR448-1	2-39 2-318 2-358	3-61 3-96 3-100
Valenciano	Randal	OR3-1	2T1-30	3-20
Van Aulon	Anita	WR57-1 WR57-2	2-44 2-44	3-62 3-62
Van Mark	Patti Rae	WR41-1 WR41-2	2-33 2-33	3-61 3-61
Varaday	Larissa	WR442-1	2-357	3-99
Velarde	Monica	WR3-1	2-4	3-54
Verrill	Lucille	WR359-1 WR359-2 WR359-3	2-313 2-313 2-313	3-95 3-95 3-95
Viernes	Kathleen	WR338-1 WR451-1	2-300 2-359	3-94 3-100
Visitacion	John D.	EX83-1	1-87	3-50
Wade	Shannon	EX22-1	1-33	3-46
Wagoner	Darcy	WR79-1 WR480-1	2-89 2-367	3-64 3-101
Walker	Kathryn	OR70-1	2T2-30	3-31
Warren	Mae Lynn L.	OR42-1	2T1-81	3-28
Warren	Van K.	OR41-1 OR41-2 EX77-1	2T1-80 2T1-80 1-82	3-28 3-28 3-50

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Washburn	Carol Ann	WR407-1	2-341	3-98
Weber	Jonathan	WR476-1	2-365	3-101
Weber	Pamela	WR459-1	2-361	3-100
Weir	Birdie O.	WR4-1	2-5	3-54
Wells	Gerard	WR426-1	2-351	3-99
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P.O. Box 62
Kalaheo, HI 96741

Evelyn A. Camal*
Pacific Missile Range Facility
3745 Kikiwi Road
Kalaheo, Kauai, HI 96741

Leinaala Compoc*
Pacific Missile Range Facility
P.O. Box 596
Lawai, HI 96765

Mr. Jack Canute
P.O. Box 1080
Kekaha, HI 96752

Virgilio Capino*
CPK
P.O. Box 917
Kekaha, HI 96752

Jess Carbonel*
P.O. Box 762
Koloa, HI 96756

E.B. Cardenas*
Pacific Missile Range Facility
P.O. Box 1004
Lawai, HI 96765

Ken Carlson
P.O. Box 698
Kilauea, HI 96754

Larry Carlson
Kauai Rotary Club
3400 Kuhio Hwy., #A-401
Lihue, HI 96766

Rick Carmichael
325 Lanakila Road
Kapaa, HI 96746

Suzanne Carmona
P.O. Box 27
Anahola, HI 96703

Linda Carpenter*
P.O. Box 3437
Princeville, HI 96722

Marjorie U. Carter*
CPK
P.O. Box 618
Lawai, HI 96765

Claire Carveiro*
CPK
P.O. Box 678
Lawai, Kauai, HI 96765

Tim Cassidy
2829 Milo Ilea Loop
Koloa, HI 96756

Cira Castillo
P.O. Box 322
Lawai, HI 96765

Michael Castillo*
Pacific Missile Range Facility
P.O. Box 386
Waimea, HI 96796

S.L. Castro*
CSC
8488 Ou Street
Kekaha, HI 96752

Lee Cataluna
P.O. Box 2116
Puhi, HI 96766

Calvin Cawiro*
Koloa, HI 96756

Robert Cececone*
Pacific Missile Range Facility
6020-A Opaekaa Road
Kapaa, HI 96746

Salvatore Cerchio*
P.O. Box 450
Moss Landing, CA 95039

Jesse & Lisa Cervantes*
P.O. Box 2050
Lihue, HI 96766

Mark Chaffee
P.O. Box 1132
Lawai, HI 96765

Silas Champler*
P.O. Box 1035
Hanalei, HI 96714

Allen H. Chan*
CPK Pan Am
Pacific Missile Range Facility
Waimea, HI 96796

Lei Chandler*
P.O. Box 10
Kilauea, HI 96754

Jeff & Linda Chandler
P.O. Box 447
Hanalei, HI 96714

Lester Chang
Kauai Star-Bulletin
2959 Umi, Room 102
Lihue, HI 96766

Lester Chang
5888 Ohe Street
Kapaa, HI 96746

Williamson Chang
969 Ahi Wale Place
Honolulu, HI 96825

Mr. and Mrs. David L. Chapman*
CPK
3747 Alana Place
Kalaheo, HI 96741

Nelson Chiba*
P.O. Box 723
Waimea, HI 96796

Randy Chinen
P.O. Box 1133, CPK
Kekaha, HI 96752

Sonny Ching*
4004-B Waha Road
Kalaheo, HI 96741

Jill Christ*
P.O. Box 851
Koloa, HI 96756

Carl C. Christensen*
1270 Queen Emma Street
Suite 1004
Honolulu, HI 96813

Kevin Christian
General Delivery
Anahola, HI 96703

Raymond L. Chuan, Ph.D.
P.O. Box 1183
Hanalei, HI 96714

Dennis Chun*
2830-A Upena Street
Lihue, HI 96766

Douglas Chun*
CSC Pan AM Kauai
P.O. Box 1260
Kalaheo, HI 96741

John R. & Luella Churchill*
5394 Kuapapa Street
Kapaa, HI 96746-2235

Paul Claes
c/o General Delivery
U.S. Post Office
Hanalei, HI 96714

Clair*
P.O. Box 1525
Hanalei, HI 96714

Connie Clause*
P.O. Box 1200
Kalaheo, HI 96741

Jeannie Clarke
P.O. Box 1591
Hanalei, HI 96714

Sally Chase Clark
P.O. Box 1996
Lihue, HI 96746

Randolph Cochran
P.O. Box 1438
Hanalei, HI 96714

Ed Coll
P.O. Box 152
Hanamaulu, HI 96766

Glen Collin*
P.O. Box 950
Kilauea, HI 96754

Michael A. Comini*
General Delivery
Kapaa, HI 96746

Debra Joyce Cone*
P.O. Box 910
Kilauea, HI 96754

Leina 'ala Compoc*
PMRF
Lawai, HI 96765

Kelly Compton
P.O. Box 97
Lihue, HI 96766

Ralph Edward Conway*
4527 Akekeke Road
Kekaha, HI 96752

Marlene Connella
P.O. Box 846
Kilauea, HI 96754

Edd Cook*
P.O. Box 3917
Lihue, HI 96766

Tommy Cook*
P.O. Box 860
Koloa, HI 96756

Michael Coots*
P.O. Box 730
Kilauea, HI 96754

Keith Correa*
P.O. Box 240
Kalaheo, HI 96741

Richard Correa*
U.S. Navy
P.O. Box 254
Kalaheo, HI 96741

Manny Corregedore, Jr.
Office of Veterans Services
3122 Kuhio Highway, Suite A15
Lihue, HI 96714

Lin & Bruce Cosby*
P.O. Box 445
Kilauea, HI 96754

Kyle Coursey*
296 Molo Street
Kapaa, HI 96746

Tommie A. Courtney
Allied Signal
P.O. Box 665
Kekaha, HI 96752

Charles Lee Cowden*
P.O. Box 496
Hanalei, HI 96714

Felicia Cowden
P.O. Box 493
Hanalei, HI 96714

William R. and Glenda Crain*
CPK
P.O. Box 1049
Waimea, HI 96796

Cavan Crane*
P.O. Box 1383
Hanalei, HI 96714

P. Crawford*
P.O. Box 1210
Kapaa, HI 96746

CPK (3 copies)
Attn: Gus Velez
P.O. Box 730
Waimea, HI 96793

Drew K. Crowell*
CSC Pan AM
P.O. Box 606
Waimea, HI 96796

Juan C. Cruz*
U.S.N.
P.O. Box 410
Eleele, HI 96705

Lisa Cuellar*
5070 Kukuna
Anahola, HI

Kaohu Cummings*
Pacific Missile Range Facility
P.O. Box 541
Waimea, HI 96796

Kawika Cutcher*
P.O. Box 674
Anahola, HI 96703

Leonie Dabancourt*
6383 Makana Road
Kapaa, HI 96746

Bill Dahl
P.O. Box 1210
Kapaa, HI 96746

Bill Dahle, News Director
KUAI
P.O. Box 720
Eleele, HI 96705

Malu Dahle*
P.O. Box 594
Koloa, HI 96756

Cheryl Dakin*
5085 Hauaala Road
Kapaa, HI 96746

Patrick Dalberta
MWR PMRF
P.O. Box 1111
Kekaha, HI

R. Daley*
Moana Road
Waimea, HI 96752

Lisa and Michael Daly
P.O. Box 950
Kilauea, HI 96754

Mark H. Damron*
P.O. Box 706
Hanapepe, HI 96716

Ronald A. Darby
Darby & Associates
970 N. Kalaheo Avenue
Kailua, HI 96734

Eleanor Darnell*
Box 1136
Hanalei, HI 96714

Dennis Davies
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Carol Ann Davis*
2381 Kipuka
Koloa, HI 96756

Mary Davis
P.O. Box 7
Canton, NY 13617

Michele Nalani Davis*
P.O. Box 138
Kilauea, HI 96754

Rhodes Davis*
P.O. Box 401
Honolulu, HI 96703

Sunshine & Amanda Dean*
714 Bentley Drive
Fairbanks, AK 99701

Chad J. Deal*
North Country Farms
P.O. Box 723
Kilauea, HI 96754

Evelyn Debuhr
P.O. Box 1440
Hanalei, HI 96714

Francis DeCosta
Pacific Missile Range Facility
Code 7331LO
P.O. Box 128
Kekaha, HI 96752-0128

Palikapu Dedman
P.O. Box 404
Volcano, HI 96785

Evelyn de Buhr*
P.O. Box 158
Hanalei, HI 96714

Linda DeGnignon*
Kauai Senior Centers, Inc.
P.O. Box 652
Lawai, HI 96765

Aryeh David*
P.O. Box 722
Hanalei, HI

Monica A. Davis*
P.O. Box 567
Kekaha, HI 96752

Tai Dawson*
P.O. Box 632
Anahola, HI 96703

Dr. Edward de Deo, D.C.*
P.O. Box 661
Kilauea, HI 96756

Clayton W. De la Cruz
International Longshore &
Warehousemen's Union
Box 1910
Lihue, HI 96766

Jim Dell*
5631-D Kaapuni Street
Kapaa, HI 96746

Lilian de Mello*
6383 Makana Road
Kapaa, HI 96746

Jane Dennie*
P.O. Box 781
Hanalei, HI 96714

Fred Dente
6335 B Waipouli Road
Kapaa, HI 96746

Orville Dent*
5045 Laipo Road
Kapaa, HI 96746

Constance De Peralta*
PMRF
P.O. Box 43
Makaweli, HI 96769

Marchelle Deraulea*
P.O. Box 129
Kapaa, HI 96746

Alia DeVille
P.O. Box 783
Hanalei, HI 96714

Kevin Devitt*
PMRF
P.O. Box 1284
Lihue, HI 96766

Caren F. Diamond*
P.O. Box 536
Hanalei, HI 96714

Irene Diaz*
4244 Puaole Street
Lihue, HI 96766

Sofia Diaz*
P.O. Box 129
Kapaa, HI 96746

Sue Dixon-Stong
4987 Hekili Road
Kapaa, HI 96746

Myron N. Dobashi*
Hawaii National Guard
4206 Hardy Street
Lihue, HI 96766

Stanley Doran
6391 Akupa Lane
Kapaa, HI 96746

Kay Doty*
4811 Kikala
Kalaheo, HI 96741

Martha L. Doutt*
6422 Pulana Street
Kapaa, HI 96746

Lisa Dowling
P.O. Box 624
Anahola, HI 96703

Catherine Downey ND.*
P.O. Box 629
Kilauea, HI 96754

Don Downing*
SRS Technologies
P.O. Box 907
Waimea, HI 96796

Foster Ducker*
P.O. Box 1659
Hanalei, HI 96714

Alison L. Dunn*
P.O. Box 706
Hanalei, HI 96714

Patrick L. Durkin
P.O. Box 3626
Lihue, HI 96766

Kendrick Dwyer
CPK
92729 Nenelea Street
Ewa Beach, HI 96707

M.E. and Dale Dybbro
P.O. Box 361
Kilauea, HI 96754

Carrie Eastman
P.O. Box 937
Kapaa, HI 96746

Suzanne Eastman*
6820 Kawaihau Road
Kapaa, HI 96746

Roger Eberhart*
Beech Aerospace
P.O. Box 429
Kekaha, HI 96752

Charles Ehrhorn
828 Fort Street Mall #500
Honolulu, HI 96813

Mary Eiser
P.O. Box 676
Koloa, HI 96765

Hui Hoamalu Ekaina*
P.O. Box 1035
Hanalei, HI 96714

Chloe Ellenburg, Secretary/treasurer*
American Legion Auxiliary
Unit #2
4906 Ali Ali Road
Kapaa, HI 96746

Anne English*
P.O. Box 1280
Kalaheo, HI 96741

Deborah Enoka*
P.O. Box 973
Lawai, HI 96765

Marsha Erickson*
Kokee Museum
P.O. Box 400
Waimea, HI 96796

Svenja Ermrich*
P.O. Box 818
Kilauea, HI 96754

Ted Erum
P.O. Box 998
Kapaa, HI 96746

Lt. Dale Esperum
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Heidi Farwell*
P.O. Box 89
Kealia, HI 96751

L.A. Faye, Jr.*
P.O. Box 549
Kekaha, HI 96752

Alan E. Faye, Jr.
Michael E. Faye, Jr.
Kikialoa Land Company Ltd.
P.O. Box 367
Waimea, HI 96796

Tony Faye, Vice President
and Manager
Kekaha Sugar Company
Kekaha, HI 96752

Karime M. Farhet*
1711 Ahi Ahi Road
Kapaa, HI 96746

Bruce & Cindy Fehring*
P.O. Box 723
Kilauea, HI 96754

Anthony Fernandes*
4113 Puaole Street
Lihue, HI 96766

Billy Fernandez
6180 B Kua Moo Road
Kapaa, HI 96746

Meridith Petro Fernandez*
P.O. Box 254
Kekaha, HI 96752

Russell Fernandes*
Pacific Missile Range Facility
2969 Ohiohi Street
Lihue, HI

Trista F. Fernandez
4460 Ikena Place #34
Kalaheo, HI 96741

Wallace Ferreira
Pacific Missile Range Facility
Code 7331LO
P.O. Box 128
Kekaha, HI 96752-0128

John Ferry
P.O. Box 930
Hanalei, HI 96714

Sondra Field-Grace
P.O. Box 372
Anahola, HI 96703

Amos R. Fields*
CPK
P.O. Box 863
Kekaha, HI 96752

Andrea Finch
P.O. Box 818
Kilauea, HI 96754

Frances Fitzgerald*
P.O. Box 1210
Kapaa, HI 96746

James E. Fitzgerald
4430-B Kanaeli Road
Kapaa, HI 96746

Raymond Flamingo*
P.O. Box 74
Hanamaulu, HI 96715

Charlene Fleming*
P.O. Box 434
Kilauea, HI 96754

Paul Flessa*
4480 Ala Road
Kapaa, HI 96746

Deborah L. Frank*
P.O. Box 1601
Hanalei, HI 96714

Melissa G. Foley*
P.O. Box 1145
Koloa, HI 96756

Deborah Forester*
P.O. Box 867
Kilauea, HI 96754

Maelynn Forin
P.O. Box 11095
Hilo, HI 96721-6095

David Forsythe
105 Kaholalele Road
Kapaa, HI 96746

Jim Foster*
P.O. Box 1052
Lawai HI 96765

Joy Fowler
Pacific Missile Range Facility
P.O. Box 1029
Waimea, HI 96796

Richele Frailey*
Box 267
Anahola, HI 96703

Mary Francis*
P.O. Box 179
Anahola, HI 96703

Beth Francisca*
P.O. Box 930
Hanalei, HI 96714

Deborah Frank*
P.O. Box 1601
Hanalei, HI 96714

LaVeda Frasier*
NOWE
P.O. Box 1155
Kalaheo, HI 96741

Frances Frazier*
Ka Lahui Hawaii
4120 Omao Road
Koloa, HI 96756

Darbi Shakira Freeman*
Eco-logic Effects, Inc.
Kahili Makai Street, Lot 2
P.O. Box 247
Kilauea, HI 96754

Elizabeth Freeman
P.O. Box 1440
Hanalei, HI 96714

Philip Freeman
P.O. Box 1120
Kalaheo, HI 96741

Jimmy L. French*
General Delivery
Kilauea, HI 96754

Sally French*
1071 Moanakai Road
Kapaa, HI 96746

Bob & Mara Friedman
P.O. Box 316
Anahola, HI 96703

D. Friedman
6611 Olorena Road
Kapaa, HI 96746

James Friend*
P.O. Box 952
Hanalei, HI 96714

Guy Fujita*
Hanapepe, HI 96716

Harvard A. Fujiwara*
4567 Lehua Street
Kapaa, HI 96746

Ronald Fujiyoshi*
486A Mauna Iho Place
Hilo, HI 96720

Dan Funamura
3990 Alala Street
Lihue, HI 96766

Suzanne Marie Furgeson*
P.O. Box 746
Kilauea, HI 96754

Renato B. Gabriel*
1982 Peleleu Street
Kalaheo, HI 96741

Susan Gailey*
P.O. Box 737
Kilauea, HI 96754

Jeff Galizio
Engineering Sciences
199 S. Los Robles Avenue
Pasadena, CA 91101

Robert Gandia*
CSC
Kekaha/Mahiko Place
Kauai, HI 96752

Garden Island
Attn: Rita De Silva/Claire Morris
3137 Kuhio Highway
Lihue, HI 96766

Marciana Garma*
1010 Puuopae Road
Kapaa, HI 96746

Asa Gasaway*
1163 Kawauihau
Kapaa, HI 96746

Victor J. Gazzolo*
U.S. Navy
P.O. Box 128
Kekaha, HI 96752

Ken and Una Gere*
P.O. Box 478
Hanalei, HI 96714

John Geddie
8040 Bellamah Court NE
Albuquerque, NM 87110

Nanette Gettier*
General Delivery
Anahola, HI 96703

Mr. and Mrs. Gibson
5180 Hoona Road
Koloa, HI 96756

Larry D. Gillette*
Sandia National Laboratories
P.O. Box 1139
Kekaha, HI 96752

Craig Gima, Assignment Editor
KHON-TV - Channel 2
1170 Auahi Street
Honolulu, HI 96814

Steve and Sharry Glass*
6277-A Puuopae Place
Kapaa, HI 96746

Micco Godinez*
C/O: Kayaks Kauai
Hanalei, HI 96714

Jason Gold
P.O. Box 5711
Beverly Hills, CA 90209

Frank Gomez
4599 Koa Street
Kapaa, HI 96746

Puanani Gonsalves
P.O. Box 464
Waimea, HI 96796

Gregory I. Goodwin
P.O. Box 1222
Hanalei, HI 96714

Suzannah Goodwin
P.O. Box 1431
Hanalei, HI 96714

Martin Gotje, Green Peace
New Zealand
Private Bag, Wellesley Street P.O.
Auckland, New Zealand

Michael L. Grace
P.O. Box 372
Anahola, HI 96703

Phyllis D. Graff*
P.O. Box 3551
Princeville, HI 96722

Mary Francis Graham*
1384 Kuhio Hwy
Kapaa, HI 96746

Sierra, David, & Che Granda*
P.O. Box 85
Kealia, HI 96751

Casey Granda
P.O. Box 960
Koloa, HI 96756

Melosa Granda*
6422 Kawoihau Road
Kapaa, HI 96746

The Granda Family*
6433 Kawaihau Road
Kapaa, HI 96746

Grant Gribble
Crash/Fire/Rescue
P.O. Box 411
Lawai, HI 96765

William R. Grier*
3787 Hoohuki Street
Lihue, HI 96766

Alvin Greenberg
300 Pamal Plaza, Suite 150
Corte Madera, CA 94925

Jan Greenberg*
P.O. Box 1310
Hanalei, HI 96714

Greenpeace Hawaii
P.O. Box 10909
Hilo, HI 96721

Regina Gregory
1235 Center Street
Honolulu, HI 96816

Mary Guara*
1384 Kuhio Highway
Kapaa, HI 96746

Raquel Guerra*
1420 Kanepoonui Road
Kapaa, HI 96746

Annette Guerriero*
P.O. Box 192
Waimea, HI 96796

Thomas L. Guinivan, P.E.* (5 copies)
Chief, Air Quality Management Branch
Air Pollution Engineering Division
Department of the Army
Aberdeen Proving Ground, MD 21010-5422

Gary Gulliksen*
P.O. Box 853
Lawai, HI 96765

Rod Gurtiza*
CPK
P.O. Box 512
Hanapepe, HI 96716

Angela Gusa and John Miller
P.O. Box 642
Anahola, HI 96714

Gavino P. Gutierrez*
USN
P.O. Box 176
Hanapepe, HI 96716

Kirby Guyer*
P.O. Box 422
Kilauea, HI 96754

David Habermann
KFMN Radio
P.O. Box 97
Lihue, HI 96766

Mr. and Mrs. Bill Hackett
3695 Waha Road
Kalaheo, HI 96741

Pamela M. Hagen*
33 Mehea Street
Eleele, HI 96705

Jim Hager
P.O. Box 132
Hanapepe, HI 96716

Lois Hamada
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Steve Hansen*
P.O. Box 565
Kekaha, HI 96752

Jay Hanson, Program Chair
West Hawaii Sierra Club
78-6622 Alii Drive
Kailua-Kona, HI 96740

Lewis Hao
P.O. Box 526
Kaumakani, HI 96748

Elizabeth Harding
Legal Conseil RMI
Environmental Protection Authority
P.O. Box 1322
Majuro, Marshall Islands 96960

Zacheriah Harmony*
P.O. Box 1551
Koloa, HI 96756

John T. Harrison, Ph.D.*
University of Hawaii
Crawford 317
2550 Campus Road
Honolulu, HI 96822

Brian Hart
P.O. Box 38
Koloa, HI 96756

Alicia Hartsell*
P.O. Box 513
Lawai, HI 96765

Claire Hashimoto*
P.O. Box 685
Eleele, HI 96705

Danny Hashimoto
c/o River Run Lodge
P.O. Box 1298
Sun Valley, ID 83343

Jackie Hashimoto*
P.O. Box 925
Hanalei, HI 96714

Bob Hawes
Stouffer Waiohai Beach Resort
2249 Poipu Road
Koloa, HI 96756

Annelle Hazlett*
P.O. Box 366
Waimea, HI 96796

Don Heacock
P.O. Box 1323
Lihue, HI 96766

Bob Hedin*
Pacific Missile Range Facility
P.O. Box 649
Kalaheo, HI 96741

Marisha Kehauarui Hee
P.O. Box 261
Lihue, HI 96766

Nancy Hee
P.O. Box 493
Eleele, HI 96705

Frank Hendersen*
P.O. Box 827
Kauai, HI 96754

Eugene Henriques*
5011 Malu Road
Kapaa, HI 96746

Reverend David Henry
P.O. Box 1247
Lihue, HI 96766

Polo Herman
P.O. Box 701
Hanalei, HI 96714

M. Hilbonson*
Kamo Highway
Kapaa, HI 96766

Khiyani Hill*
P.O. Box 794
Hanalei, HI 96714

Robin Higuchi*
CPK
P.O. Box 193
Hanapepe, HI 96716

Hinewirangi
P.O. Box 1560
Hamilton, New Zealand

Gerald M. Hirata*
P.O. Box 565
Hanapepe, HI 96716

Bernice Hiraoka*
1761 Mauna Ikenua Street
Kapaa, HI 96746

Harry J. Hurt*
American Legion
P.O. Box 686
Eleele, HI 96705

Jack Ho
Kapaa Rotary Club
P.O. Box 844
Kapaa, HI 96746

Dale Hoffmann
275 Moomuku Place
Honolulu, HI 96821

James Hoffmann, Ph.D.*
Box 321
Hanalei, HI 96714

Wilma H. Holi
P.O. Box 368
Hanapepe, HI 96716

Anson Holley
145 Kaholalele Road
Kapaa, HI 96742

Kevin and Devaki Holman
P.O. Box 622
Hanalei, HI 96714

Ray K. Holt*
CPK
P.O. Box 859
Kekaha, HI 96752

William T. Honjiyo
P.O. Box 151
Hanapepe, HI 96716

Eric Honma
3060 Eiwa Street
Lihue, HI 96766

Glen Hontz
Management and Marketing
Associates
P.O. Box 399
Koloa, HI 96756

Kaleo Hookano
P.O. Box 624
Waimea, HI 96714

Carol Hoopii*
Tourism
P.O. Box 907
Kekaha, HI 96752

Kimberley Hopkins*
5808 Lokelani Street
Kapaa, HI 96746

Harriet K. Horibe*
P.O. Box 373
Lawai, HI 96765

Adam J. Horowitz*
369 Montezuma Street
Studio #168
Santa Fe, NM 87501

William T. Howe*
Pacific Missile Range Facility
1226B S. Sparrow
Kekaha, HI 96752

James Hudson
ACTA Incorporated
23430 Hawthorne Blvd., Suite 300
Torrance, CA 90505

Joan Hudson
P.O. Box 161
Kealia, HI 96751

William C. Hughes*
P.O. Box 1083
Kekaha, HI 96752

Amy Hurd
P.O. Box 3271
Princeville, HI 96722

Jennie Hutchings*
P.O. Box 3438
Princeville, HI 96722

Naomi Ianniello
P.O. Box 96714
Hanalei, HI 96714

Ingrid Ibanez
P.O. Box 818
Kilauea, HI 96754

Dean H. Ichimasa*
CSC
P.O. Box 3338
Lihue, HI

**Informational Network for
the Spaceport (2 copies)**
P.O. Box 588
Naalehu, HI 96772

Renee Ingram*
P.O. Box 1655
Hanalei, HI 96714

Xavier Ignacio*
CPK
P.O. Box 583
Kekaha, HI 96752

Sister Pesio Iosefo*
PEF Coordinator
P.O. Box 2386
Government Building, Suva, FIJI

Richard Irwin
3441 Aeo St.
Kalaheo, HI 96741

Shawn Ishihara
P.O. Box 1155
Waimea, HI 96796

Robert Ishikawa
P.O. Box 373
Eleele, HI 96705

Dick Ivey
CH2M Hill
2020 SW Fourth Avenue, 2nd floor
Portland, OR 97201

Vince Izzo
Earth Technology Corporation
275 W. Hospitality Lane, Suite 200
San Bernardino, CA 92408

David Jackson
Lompoc Record
115 North "H" Street
Lompoc, CA 93436

Ann Jacob
1870 Hoone Road, #827
Koloa, HI 96756

David Jacobsen*
P.O. Box 3500
Princeville, HI 96722

Fred & Diane Jager
1951 Muku Place
Koloa, HI 96756

Barbara Jarvis*
5631A Hauaala Road
Kapaa, HI 96746

Chas Jetty
P.O. Box 26
Hanalei, HI 96714

Lt. Commander Jones
U.S. Coast Guard
Marine Safety Office
433 Ala Moana Blvd.
Honolulu, HI 96813

Jullita Jones*
P.O. Box 735
Kilauea, HI 96754

Ken Jones
P.O. Box 1659
Koloa, HI 96756

Mary Mildred Jones*
2811 Kapeua Street
Lihue, HI 96766

Michael Jones
Department of Physics and Astronomy
University of Hawaii
2505 Correa Road
Honolulu, HI 96822

Roberta M. Jones*
P.O. Box 504
Kilauea, HI 96754

Judy L. Jordan, M.D.*
P.O. Box 730
Kilauea, HI 96754

B.H. Jordon
P.O. Box 3068
Princeville, HI 96722

Nalaii K. Kaauwai-Anama*
6927 Lekia Place
Kapaa, HI 96746

Nanette Kaaumoana
P.O. Box 279
Hanalei, HI 96714

Clay Kagawa
Pacific Missile Range Facility Code 7332B
P.O. Box 128
Kekaha, HI 96752

Patricia Kaiakapa*
P.O. Box 736
Hanapepe, HI 96716

Belle Kaiwi*
P.O. Box 429
Anahola, HI 96703

Kalena
4395 Hanamaulu Beach Road
Lihue, HI 96766

William S.P. Kam*
CSC
P.O. Box 1009
Kalaheo, HI 96741

Ernest Kanehaka*
P.O. Box 1576
Kapaa, HI 96746

Ed Kanoi*
5322A Kumole Street
Kapaa, HI 96746

Jeff Kaohi*
CPK
P.O. Box 730
Waimea, HI 96752

Herman Kaohalaalii*
CPK
P.O. Box 60
Kekaha, HI 96769

Lucy Kawailalan*
Kauai Vacation Rentals & Real Estate Inc.
3-3311 Kuhio Highway
Lihue, HI 96766

Jay Keen*
P.O. Box 600
Kilauea, HI 96754

Sunni L. Kelso*
2710-B Eleki Place
Lihue, HI 96766

John K. Kekahu, III*
P.O. Box 1371
Kapaa, HI 96746

Lei Kalamau
P.O. Box 1104
Waimea, HI 96796

Makealani Kamauu
Native Hawaiian Legal Corporation
1270 Queen Emma, #1004
Honolulu, HI 96813

George A. Kanna*
P.O. Box A
Hanapepe, HI 96716

Sue Kanoho
Kauai Economic Development Board
4370 Kukui Grove St. #211-C
Lihue, HI 96766

Aletha G. Kaohi
Waimea Canyon School
P.O. Box 109
Waimea, HI 96796

Billy, Kalima & Henrietta Kaokelaulii*
2249 Kuai Raod
Koloa, HI 96756

Matthew Kaopio, Jr.*
4676 Mailihuna Road
Kapaa, HI 96746

Wilma Kapp, News Director
KQNG-AM/FM Radio
P.O. Box 1748
Lihue, HI 96766

Glenn Katahara
4332 Anonui Street
Lihue, HI 96766

Kauai Cable
Attn: Dick Argus
P.O. Box 2116
Puhi, HI 96766

Kauai Times
Attn: Lisa
P.O. Box 3272
Lihue, HI 96766

Marilyn Muki Kaupaka*
P.O. Box 181
Hanalei, HI 96714

Edward Kawamura
Kauai Veterans' Council
P.O. Box 3397
Lihue, HI 96766

Wallace M. Kawane
P.O. Box 170
Kalaheo, HI 96741

Randolph Keliikuli
P.O. Box 894
Kalaheo, HI 96741

Marylou Kelley*
4811 Kikala Road
Kalaheo, HI 96741

Mike Kelley
P.O. Box 525
Anahola, HI 96703

Kirby Keough*
P.O. Box 418
Lawai, HI 96765

Brandon W. Kepner*
40 Royal Drive
Kapaa, HI 96746

Rovina Kilauano-Chongtim*
Pacific Missile Range Facility
Kekaha Road
Kekaha, HI 96752

Deborah Kimball
The League of Women Voters
of Hawaii
49 South Hotel Street, Room 314
Honolulu, HI 96813

Mary Kimokio*
2281 Naho Road
Koloa, HI 96756

Edwin Kimura*
CPK
P.O. Box 482
Eleele, HI 96705

Mary King
4507 4th Road North
Arlington, VA 22203

Piilani Kinimaka
3111 Duval Street
Honolulu, HI 96815

Michael Klevenz
Peer Consultants
12300 Twinbrook Parkway, #410
Rockville, MD 20852

Greg C. Klezen
2145 Dena
Concord, CA 94518

Toni Knapp
P.O. Box 475
Anahola, HI 96703

Dr. Albrecht & Christine Knops*
7982 Baindt
Germany

Joel Koetje*
P.O. Box 235
Kalaheo, HI 96741

Donald Koike*
CPK
P.O. Box 817
Eleele, HI 96705

Teri Kolder*
P.O. Box 629
Kapaa, HI 96746

Gera Korte*
379 Ilalo Place
Kapaa, HI 96746

William R. Kramer
United States Department of the Interior
Fish and Wildlife Service
Pacific Islands Office
P.O. Box 50167
Honolulu, HI 96850

George Krasnick
294 Awakea Road
Kailua, HI 96734

Priscilla K. Kua*
2281 Nali Road
Koloa, HI 96756

Darris & Richard Kucera*
5316 Honoiki Road
Princeville, HI 96722

David Kuhn*
4811 Kikala
Kalaheo, HI 96741

Dr. Kumar
P.O. Box 1984
Lihue, HI 96766

Aubrey Kunishige, Code 7332B
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Klaus I. Kunter
Kapaa Rotary Club
P.O. Box 1148
Kapaa, HI 96746

Steve Kurasahi*
2781 Huna
Lihue, HI 96766

Paul S. Kuroiwa*
2877 Puanani Street
Lihue, HI 96766

Vivian Kutaka*
P.O. Box 730
Waimea, HI 96796

Poko Laenui
89-649 Puuhulu Road
Waianae, HI 96792

Soleille La Fete*
P.O. Box 1607
Hanalei, HI 96714

Martin Lane*
1334 Ihona Place
Kapaa, HI 96746

Rebecca & Amy Langford*
P.O. Box 625
Hanalei, HI 96714

Randy Lawrence*
P.O. Box 346
Anahola, HI 96703

Jim Lawshe
3825 Nanakai Road
Kalaheo, HI 96741

Mac L. Layaoen*
PMRF
RR1, Box 243
Koloa, HI 96756

Robert Layer*
P.O. Box 867
Kilauea, HI 96754

Bob Layes
P.O. Box 867
Kilauea, HI 96754

Collin Leach*
General Delivery
Lihue, HI 96766

Raymond Leach
3411 Wilcox Drive, Apt. A6
Lihue, HI 96766

League of Women Voters
P.O. Box 1805
Lihue, HI 96766

Kekapa Lee & Norman W. Jackson*
United Church of Christ
15 Craigside Place
Honolulu, HI 96817

Lynn Lee
Office of Hawaiian Affairs
711 Kapiolani Blvd. #500
Honolulu, HI 96813

Mary & Sheridan Lee*
P.O. Box 1521
Koloa, HI 96756

Steven Leonard*
P.O. Box 979
Koloa, HI 96756

David Leopold
P.O. Box 790
Waimea, HI 96796

Sharon S.K. Lesiki*
CPK
Pacific Missile Range Facility
Barking Sands
Mana, HI 96752

Ruth Ann Lester*
6599-A Kuhoho Street
Kapaa, HI 96746

Shawn A. Leton*
5821 Meli Place
Kapaa, HI 96746

S. Letzner*
P.O. Box 979
Lawai, HI 96765

Ken Levine
P.O. Box 689
Kalaheo, HI 96741

Robert Levine*
147 Royal Drive
Kapaa, HI 96746

Steven Levine
4197 B. Hoala Street
Lihue, HI 96766

John C. Lewin*
State of Hawaii
Department of Health
P.O. Box 3378
Honolulu, HI 96801

Dickie Lewis*
2999 Kaohe Street
Kilauea, Kauai, HI 96754

Patricia Limmerman*
P.O. Box 983
Kilauea, HI 96754

David Lindstrom
P.O. Box 201
Hanalei, HI 96714

Jana Livingston*
P.O. Box 833
Hanalei, HI 96714

Karl & Catherine P. Lo
P.O. Box 887
Koloa, HI 96756

Elaine Logan
P.O. Box 898
Kilauea, HI 96754

Lyn Long
P.O. Box 495
Hanalei, HI 96714

Jilda Loomis*
3735-C Omao Road
Koloa, HI 96756

Charley Love
P.O. Box 1541
Koloa, HI 96756

John A. Love
5911 Kini Place
Kapaa, HI 96746

Kaina Lovell*
P.O. Box 33
Anahola, HI 96703

Cathryn Lowe
Kauai Community College Library
3-1901 Kaumualii Highway
Lihue, HI 96766

Justin Lowe
Earth Island Institute
300 Broadway, Suite 28
San Francisco, CA 94133

Mary Lucas*
P.O. Box 164
Hanalei, HI 96714

Paul Lucas
P.O. Box 690
Lawai, HI 96765

Arnold L. Lum
Sierra Club Defense Fund, Inc.
212 Merchant Street, Suite 202
Honolulu, HI 96813

Jack Lundgren
6375 B Poo Road
Kapaa, HI 96746

Richard Lutao*
CSC Pan Am
P.O. Box 571
Waimea, HI 96796

Janis Lyon
P.O. Box 742
Kilauea, HI 96754-0742

Virginia A. Lyon
4436 Kamalele Road
Kapaa, HI 96746

Conrad Maarewicz*
P.O. Box 192
Kilauea, HI 96754

Kathie L. Mackey*
4160 Hoala, #18H
Lihue, HI 96766

Robert Macknowski
Kauai Gaurdians Education/Research
P.O. Box 786
Hanalei, HI 96714

Uffe Madsen
P.O. Box 353
Hanapepe, HI 96716

Linda Magee*
332 Huina Street
Kapaa, Hawaii 96746

Tara Magner
Union of Concerned Scientists
1616 P Street, Suite 310
Washington, DC 20013

Kelly and Brooks Maguire*
Bed & Breakfast & Beach
P.O. Box 1742
Hanalei, HI 96714

Roman & Irene Makarewicz*
P.O. Box 575
Kilauea, HI 96754

Sienna Makarewicz*
P.O. Box 192
Kilauea, HI 96754-0192

Sandra Makuaole
P.O. Box 212
Waimea, HI 96796

Lolly Malana*
CPK
P.O. Box 958
Waimea, HI 96796

Eduardo E. Malapit
2668 Hoonani Street
Koloa, HI 96756

Beth Mallia*
P.O. Box 1711
Hanalei, HI 96714

Laura & Mark Mandel*
P.O. Box 129
Kapaa, HI 96746

Joseph Manini, Sr.
P.O. Box 201
Makaweli, HI 96769

Rita A. Manriquez*
Kuhio Highway
Lihue, HI 96766

Dr. Joe Mansberger
P.O. Box 220
Kilauea, HI 96754

Becky Mansfield*
P.O. Box 346
Anahola, HI 96703

Derlita and Gerardo Mararagan*
P.O. Box 809
Kekaha, HI 96752

Robert Marchino
P.O. Box 617
Anahola, HI 96703

David Marcus*
P.O. Box 1525
Hanalei, HI 96714

Ferdinand Mariano*
P.O. Box 932
Kekaha, HI 96752

Suzanne Marinelli
P.O. Box 1172
Hanelei, HI 9676614

Mark M. Markowski*
P.O. Box 128
Kekaha, HI 96752

Donna Marshall*
5322 Kumole Road
Kapaa, HI 96746

Nani Marston
P.O. Box 829
Hanalei, HI 96714

Elizabeth Martin
Hui Na'auao
1088 Bishop Street, Suite 1204
Honolulu, HI 96813

Mrs. Martin*
P.O. Box 561
Kapaa, HI 96745

Maria Martin
P.O. Box 564
Anahola, HI 96703

Rod Martin
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Conrad Martins*
P.O. Box 1202
Hanalei, HI 96714

Harold Matsumura*
State Capitol
15th Floor
Honolulu, HI 96813

M. Matsukawa
Waimea Cultural and
Educational Association
Waimea, HI 96796

Leon Matthews*
P.O. Box 723
Kilauea, HI 96754

Ann Matthews*
P.O. Box 869
Kilauea, HI 96754

Gordon J. Mattos*
CSC
P.O. Box 852
Kekaha, HI 96752

Ray A. Mawaku*
P.O. Box 586
Eleele, HI 96705

Jane May*
7193 Aina Pono Street
Kapaa, HI 96746

Hillary Mayall
P.O. Box 612
Kilauea, HI 96754

Brigid McBride
P.O. Box 1476
Kapaa, HI 96746

Kathy McClelland-Cowan*
P.O. Box 627
Kapaa, HI 96746

Sabra K. McCracken
P.O. Box 700
Waimea, HI 96796

Laura McCuistion*
P.O. Box 753
Kapaa, HI 96746

Michael McDonald*
1961 Muku Place
Koloa, HI 96756

Sean McFarland
2431 Fidelibad Drive
Hacienda Heights, CA 91745-4810

John McGouveia*
Inland Boatmen's Union
1001 Dillingham Blvd. #117
Honolulu, HI 96817

Joe McGovern*
Citizens for Responsible Govt.
P.O. Box 131
Waimea, HI 96796

Davianna McGregor
Assistant Professor of Ethnic Studies
University of Hawaii
Honolulu, HI 96817

Robert McHenry
P.O. Box 586
Kilauea, HI 96754

Cynthia McKenna*
3735-C Omao Road
Koloa, HI 96756

Barry McKeown*
P.O. 113
Kekaha, HI 96752

Doug McKibbin*
P.O. Box 394
Hanalei, HI 96714

Leeiau McLaolseu*
4599 Koast
Kapaa, HI 96746

Bernie McPhee
Pacific Missile Range Facility
P.O. Box 128, COK Ordnance
Kekaha, HI 96752-0128

Robert Measel Jr.
P.O. Box 3098
Princeville, HI 96722

Brodie Medeiros*
CPK
P.O. Box 963
Kalaheo, HI 96741

Stanley H. Medeiros*
CPK Kauai
4681A Puuwai Road
Kalaheo, HI 96741

Jane Medico*
P.O. Box 539
Kilauea, HI 96754

Wayne & Helen Mehl
1675-2 Makanui Road
Koloa, HI 96756

Christine Melkizian*
1170 Crossley Road
Kapaa, HI 96746

Deborah Melendez*
P.O. Box 3
Kealia, HI 96751

Merryl Mendleson*
P.O. Box 979
Koloa, HI 96756

Merryl Mendelson*
P.O. Box 992
Occidental, CA 95465

Lue Mentley*
P.O. Box 590
Kapaa, HI 96746

David L. Meorolt*
P.O. Box 352
Anaholu, HI 96703

Paul Meranian, Jr.*
P.O. Box 703
Kekaha, HI 96752

Francie U. Merriman*
P.O. Box 1364
Hanalei, HI 96714

Daniel Metteauer*
P.O. Box 662
Kilauea, HI 96754

Craig Metteaver*
P.O. Box 626
Hanalei, HI 96714

M. Metz
703 Honua Street
Honolulu, HI 96816

Ray Miles*
P.O. Box 1096
Kalaheo, HI 96741

Bonnie Miller*
P.O. Box 703
Inohola, HI 96703

Bruce Miller
P.O. Box 1440
Hanalei, HI 96714

Daisy Miller*
Concerned Citizens
P.O. Box 1672
Hanalei, HI 96714

Mary Pat Miller*
P.O. Box 771
Kalaheo, HI 96741

Imogene Miner*
Sierra Club
2211-A Pane Road
Koloa, HI 96756

Art Miner*
P.O. Box 1035
Hanalei, HI 96714

Rich Minero
P.O. Box 128
Kekaha, HI 96752

Flora Minium*
P.O. Box 165
Puhi, HI 96766

Carmelita Miranda
KUAI Radio
P.O. Box 720
Eleele, HI 96705

Sharon Mitchell*
P.O. Box 1551
Kapaa, HI 96746

Wendy Mitchell
P.O. Box 930
Kilauea, HI 96754

Stephen Miyamoto*
CPK
P.O. Box 839
Eleele, HI 96705

Roy T. Miyake, President
West Kauai Lions Club
4321 Pualo Street
Lihue, HI 96766

David Miyashiro*
NUWC DH
P.O. Box 64
Kalaheo, HI 96741

Mark A. Mizuraks*
PMRF Range Ops
P.O. Box 251
Waimea, HI 96796

Owen Moe
Kekaha Sugar Co.
P.O. Box 549
Kekaha, HI 96752

Dan Momohara*
P.O. Box 1006
Kalaheo, HI 96741

Marion L. Mons
P.O. Box 606
Kilauea, HI 96754

Glen Montemayer*
P.O. Box 1770
Eleele, HI 96705

Sally Jo Moore*
Box 713
Hanalei, HI 96714

Steve Morafes*
P.O. Box 454
Kalaheo, HI 96741

Candice Morgan*
6746 Uuamoo Road
Kapaa, HI 96746

Muggsy K. Morkiawa*
4661 Makeke Road
Waimea, HI 96796

Kirstin Morris
6335-B Waipouli Road
Kapaa, HI 96746

Patrice Morris*
6383 Makana
Kapaa, HI 96746

Richard J. Morris*
6359 Kipapa Road
Kapaa, HI 96746

Melissa Morrow*
P.O. Box 950
Kilauea, HI 96754

L'aka Morton*
P.O. Box 1440
Hanalei, HI 96714

Vida Mossman, Public Affairs Officer
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752

Rodney Moura*
4259 Kaana Street
Lihue, HI 96766

Andrew Mueller*
General Delivery
Kapaa, HI 96746

Mary Mulhall
1210-A Crossley
Kapaa, HI 96746

Debbie Mullen*
3310 Poipu Road
Koloa, HI 96756

Clyde & Audrey Murakami*
CSC Pan Am Kauai/CPK
3730 Ami Road
Kalaheo, HI 96741

Carolyn Muraoka*
3744 Kikeiwii Road
Kalaheo, HI 96741

Rene Muraoka*
P.O. Box 496
Hanapepe, HI 96716

Robin R.K. Murayamo*
P.O. Box 3377
Lihue, HI 96766

Terri Murray
c/o Linda Marrow
Box 527
Kilauea, HI 96754

James S. Nadatani*
CPK
P.O. Box 653
Waimea, HI 96796

Lani K. Nagao*
P.O. Box 1622
Lihue, HI 96766

Stanley S. Nagata*
CSC (PMRF)
P.O. Box 546
Waimea, HI 96796

Joyce Nakahara*
3176-A Akahi Street
Lihue, HI 96744

Randy Nakama*
P.O. Box 1116
Waimea, HI 96796

Floyd Nakasone*
CPK
P.O. Box 1092
Waimea, HI 96796

Lisa de Treaux Nansel*
P.O. Box 493
Kilauea, HI 96754

Native Hawaiian Advisory Council*
1088 Bishop Street, Suite 1204
Honolulu, HI 96813

Dwayne Naumu*
PMRF Security
P.O. Box 1836
Lihue, HI 96766

Julia Neal
P.O. Box 3035
Lihue, HI 96766

David Nekomoto
P.O. Box 123
Lawai, HI 96765

Charles & Alice Nelson*
1732 Kelaukia
Koloa, HI 96756

Suzanne Nelson
5362 Kumole Street
Kapaa, HI 96746

James Nesler*
P.O. Box 100
Kapaa, HI 96746

Janet Neumann
P.O. Box 237
Kilauea, HI 96754

Jasmine Neumann*
P.O. Box 237
Kilauea, HI 96754

Sonny Niau*
ANHA
Kala Road
Kekaha, HI 96769

Lori Nichols*
5286 Makaloa
Kapaa, HI 96746

Kehei Soli Niheu
105-B Kawanakoa Place
Honolulu, HI 96825

Daniel Nishiguchi*
CSC/Pan Am
P.O. Box 204
Lawai, HI 96765

Amy C. Nishihira*
P.O. Box 95
Kalaheo, HI 96741

Catherine and Brysone Nishimoto*
P.O. Box 501
Hanalei, HI 96714

Vince Nishina
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Neal Norman
P.O. Box 1122
Hanalei, HI 96714

Tom Norris
Moss Landing Marine Laboratory
P.O. Box 628
Kekaha, HI 96752

Velma & Leihau Nunes*
P.O. Box 473
Koloa, HI 96756

Wendell Nunes*
6089 Lokomaikai Place
Kapaa, HI 96746

Nelson Odo*
CPK
P.O. Box 354
Waimea, HI 96796

James & Sally O'Donnell
P.O. Box 3500-MSC-144
Princeville, HI 96722

Ronald Oda*
P.O. Box 1776
Lihue, HI 96766

Caleb Offley*
4934 Haleilio Road
Kapaa, HI 96746

Michelle O'Hearn*
1334 Kuhio Hwy
Kapaa, HI 96716

Dean Okayama*
U.S. Dept. of Commerce
P.O. Box 417
Kekaha, HI 96752

Mark Oler
P.O. Box 1292
Koloa, HI 96756

Dennis and Polli Oliver*
P.O. Box 87
Lihue, HI 96756

Anne E. O'Malley
4554 Lawai Road
Koloa, HI 96756

David O'Quinn
P.O. Box 1613
Kapaa, HI 96746

Sandy Ordille*
P.O. Box 716
Koloa, HI 96756

Royden Orchtelli*
CPK
P.O. Box 285
Eleele, HI 96705

Donna Oshiro*
CPK
P.O. Box 373
Eleele, HI 96705

Ouarton*
5521 Kuemoo
Kapaa, HI 96746

Laura O'very*
1121 Moanakai Road
Kapaa, HI 96746

Austin Owen
P.O. Box 1366
Hanalei, HI 96714

Betty Owen*
Kilauea, HI 96754

Cyndi M. Pa
2999 Koahe Road
Kilauea, HI 96754

Pacific Missile Range Facility
Attn: Code 7000
P.O. Box 128
Kekaha, HI 96752-0128

Sylvia Pablo*
CPK
P.O. Box 455
Eleele, HI 96705

Anthony Padayhag*
CPK (PMRF)
P.O. Box 25
Kalaheo, HI 96741

Richard K. Paglinawan, Administrator
Office of Hawaiian Affairs
711 Kapiolani Boulevard, Ste. 500
Honolulu, HI 96813-5249

Philip D. Palao*
CPK
P.O. Box 334
Hanamaulu, HI 96715

Elizabeth Palm-Martin
684 Kaolu Drive
Kailua, HI 96734

Pamela Palmer*
P.O. Box 238
Hanalei, HI 96714

Larry Palting*
General Delivery
Anahola, HI 96703

David Park*
P.O. Box 1809
Koloa, HI 96756

Andrew Parks
P.O. Box 753
Kapaa, HI 96746

Jacqueline Parnell
1314 S. King Street, Ste. 951
Honolulu, HI 96814

Judith Parsons*
P.O. Box 2
Makaweli, HI 96769

Alberto Partida
P.O. Box 1494
Hanalei, HI 96714

Guy Pascua*
P.O. Box 136
Waimea, HI 96796

John Patt*
P.O. Box 1978
Lihue, HI 96766

Rev. Kaleo Patterson*
P.O. Box 113
Kapaa, HI 96746

Barbara Jean Paugge*
P.O. Box 1328
Lihue, HI 96766

Mark Pearson*
P.O. Box 1751
Hanalei, HI 96714

Bill Peay
P.O. Box 28
Eleele, HI 96705

Roger Peckenpaugh*
3870 Waha Road
Kalaheo, HI 96741

Reverend Ilse N. Peetz
P.O. Box 298
Kekaha, HI 96752

James D. Pelegrino*
P.O. Box 1104
Lawai, HI 96765

Derek Pellin*
P.O. Box 1014
Koloa, HI 96756

Engelina Leihu Pelun*
3644 Waha Road
Kalaheo, HI 96741

Sharon Pente*
PMRF
P.O. Box 211
Waimea, HI 96796

Lana Peregrine*
3985 Ohu Ohu Road #A2
Koloa, HI 96756

Anthony Pereira*
CPK
Haku Hale
Kalaheo, HI 96741

Charles & Vivian T. Pereira*
P.O. Box 381
Hanapepe, HI 96716

Tammy Perreira*
PMRF
P.O. Box 365
Waimea, HI 96796

Louis A. Perrotta Jr.*
P.O. Box 1705
Lihue, HI 96766

Tom Perry
5308 Makaloa Street
Kapaa, HI 96746

Duanne Pescador*
CPK (PMRF)
P.O. Box 1019
Kekaha, HI 96752

Murray Peters
P.O. Box 1210
Kapaa, HI 96747

Tom Peters
Engineer Science
301 Marina Village Parkway, #200
Alameda, CA 94501

Glen Peterson
Nuclear Free Pacific
P.O. Box 3500 #176
Princeville, HI 96722

Carolina Leihitu-Pellin*
Muki Kaha Road
Kalaheo, HI 96741

Alfred J. & Doris Petrich*
P.O. Box 79
Anahola, HI 96703

John Pfendler*
P.O. Box 279
Kilauea, HI 96754

Thomas S. & Kathleen K. Pickett*
P.O. Box 630
Kilauea, HI 96754

Levon Pironti
YWCA
3094 Elva Street
Lihue, HI 96766

Larry Polido, Code 3260
Pacific Missile Test Center
Point Mugu, CA 93042

Steve Polson*
P.O. Box 1410
Koloa, HI 96756

Sharon Pomroy
P.O. Box 2007
Puhi, HI 96766

Fred A. Pomte*
PMRF
P.O. Box 211
Waimea, HI 96796

Alberto Portido*
P.O. Box 1494
Hanalei, HI 96714

Wallis & Amy Post*
Michelle's Bakery
1384 Kuhio Highway
Kapaa, HI 96746

Marty Potrop*
RR2, Box 4500
Paltoa, HI 96778

Jerry Pottorf*
Box 30
Waimea, HI 96796

Malia Powers
P.O. Box 1656
Hanalei, HI 96714

Mark Prescott*
PMRF
PMRF, Barking Sands
Kekaha, HI 96752

Jerry Presley*
CPK (PMRF)
2888A Waa Road
Lihue, HI 96766

Jana Price*
P.O. Box 1139
Kalaheo, HI 96741

Dr. John Price
P.O. Box 1139
Kalaheo, HI 96741

H. Probst*
P.O. Box 872
Kapaa, HI 96746

Richard & Maria Proczka*
Rick's Roofing
P.O. Box 140
Kilauea, HI 96754

Leonard and Evelyn Prybutok
P.O. Box 3073
Princeville, HI 96722

Karen Bacon Pulicetch*
P.O. Box 870
Kilauea, HI 96754

Carol Puma
P.O. Box 597
Anahola, HI 96703

Steve Purnell
1419 Dominis Street, #1402
Honolulu, HI 96822

J. Keiko Puu*
PMRF
3419 Aeo Street
Kalaheo, HI 96741

Sherry Qualls*
PMRF Contracts Office
P.O. Box 830
Kalaheo, HI 96741

Jeannie Quinn*
P.O. Box 1169
Hanalei, HI 96714

Darlita Cid Quirantes
P.O. Box 1119
Kekaha, HI 96752

Chris Rafael*
4160 Hoala Street 190
Lihue, HI 96766

L. Ragasa*
PMRF
Barking Sands
Kekaha, HI 96796

Smokey Rain
P.O. Box 753
Kapaa, HI 96746

Norman Rapozo*
P.O. Box 948
Kekaha, HI 96752

Jeanette Rattan
P.O. Box 1592
Hanalei, HI 96714

Reneé Rattan*
P.O. Box 889
Lawai, HI 96765

Debra Rawlins*
4330 Laukona Street
Lihue, HI 96766

Jeff Raymond
Labat-Anderson, Inc.
1501 J.F. Kennedy Drive
Bellevue, NB 68005

Raymond C. Read*
3411 Wiliox Road, #A6
Lihue, HI 96766

Cliff Rediger
145 Kaholalele Road
Kapaa, HI 96746

Hank Reeves
International Brotherhood of
Electrical Workers
Local Union 1260
2305 S. Beretania Street
Honolulu, HI 96826-1494

Larry Reisrr
P.O. Box 445
Hanapepe, HI 96716

Jack Resor*
239 Aina Lani Place
Kapaa, HI 96746

Responsible Citizens for Responsible
Government*
P.O. Box 1440
Hanalei, HI 96714

John Resta (7 copies)
U.S. Army Environmental Hygiene
Agency
Aberdeen Proving Grounds, MD 21010

Mr. & Mrs. Joseph H. Reyes*
P.O. Box 254
Eleele, HI 96705

David & Heidi Rhodes*
1321 Kiowai Place
Kapaa, HI 96746

Lorraine Richardson
P.O. Box 801
Kilauea, HI 96754

Lynn Ridgeway*
P.O. Box 1502
Hanalei, HI 96714

Suzanne Riedel*
P.O. Box 306
#10 Pali Ke Kua, Princeville
Hanalei, HI 96714

Johnsay A. Riklon, Esq.
P.O. Box 5125
Ebeye, Kwajalein,
Marshall Islands 96970

Joannie Riley*
P.O. Box 950
Kilauea, HI 96754

Joni Riley*
Box 1458
Hanalei, HI 96714

Arthur C. & Darline M. Rita*
CPK Security Police Department
P.O. Box 173
7779 Iwipolena Street
Kekaha, HI 96752

Mac M. & Kathy Rivel*
CPK
P.O. Box 933
Waimea, HI 96796

Larry A. Robertson*
587 Aliso Street
Ventura, CA 93001-2107

Scott Robeson*
P.O. Box 369
Hanalei, HI 96714

Andrea Robinson*
General Delivery
Kapaa, HI 96746

C.A. Robinson
P.O. Box 1012
Koloa, HI 96756

Keith P. Robinson
P.O. Box 117
Makaweli, HI 96769

Sandra Rodarte*
P.O. Box 22
Kilauea, HI 96754

Django Rogers*
World Citizen Surf Saviors
5717-B Kawaihau Road
Kapaa, HI 96746

Laura Rogers
6540 Kipapa Road
Kapaa, HI 96746

Nani Rogers
4702 Mailihuna Road
Kapaa, HI 96746

Patrick W. Rosa*
CPK
P.O. Box 212
Kekaha, HI 96752

Richard W. Rose*
P.O. Box 1003
Waimea, HI 96752

Dale Rosenfeld*
P.O. Box 269
Kapaa, HI 96746

Lisa K. Ross*
P.O. Box 1263
Koloa, HI 96756

Don Rossite*
P.O. Box 275
Kilauea, HI 96754

Judy Roth*
P.O. Box 1212
Hanalei, HI 96714

Adam & Lee Roversi*
North County Farms
P.O. Box 723
Kilauea, HI 96754

Rupert H. Rowe*
P.O. Box 244
Koloa, HI 96756

Gary Rubenstein
Sierra Research
1521 "T" Street
Sacramento, CA 95814

Ralph Rubio*
3667 Anini Road
Hanalei, HI 96714

Alfred Ruiz
P.O. Box 904
Kekaha, HI 96752

Ginger Lea D. Ruiz*
P.O. Box 1114
Kekaha, HI 96752

Russell Ruiz*
CPK
P.O. Box 999
Kekaha, HI 96752

Richard Rungren*
NAWCWPN DIV
1307 Via Arroyo
Ventura, CA 93003

Alex Ruybal*
PMRF
P.O. Box 790
Kekaha, HI 96752

Robert T. Ryder*
CPK
P.O. Box 958
Waimea, HI 96796

Magdalena M. Sacro*
CSC
4664 Palila Lp.
Kekaha, HI 96752

Lola Sabbatini*
3240 Sterling Avenue
Alameda, CA 94501

Francisco Sadomiano*
P.O. Box 52
Hanamaulu, HI 96715

Brian Sakamoto*
PMRF
P.O. Box 588
Hanapepe, HI 96716

Larry Sakoda*
Waimea, HI 96752

Emily Salamon
641 Lunalilo Road
Kapaa, HI 96746

P.J. Salamonsen
Pacific Conference of Churces
P.O. Box 208
Suva, Fiji

Dr. Mundo Saldano*
P.O. Box 723
Kilauea, HI 96754

Brenda Salgado, Assignment Editor
KGMB-TV - Channel 9
1534 Kapiolani Boulevard
Honolulu, HI 96814

Gary Sample
332 Huina Street
Kapaa, HI 96746

Jose San Augustine*
CSC
P.O. Box 922
Kekaha, HI 96752

Jerry and Carolina Santos
Traveler's Den
P.O. Box 448
Kekaha, HI 96752

Kerry T. & Michelle Santos*
PMRF
P.O. Box 1102
Kekaha, HI 96752

Glenn Sato
4444 Wright Street, Room 204
Lihue, HI 96766

David P. and Cheryl Saunders
P.O. Box 974
Kekaha, HI 96752

Dale Saylor*
P.O. Box 723
Kilauea, HI 96754

Elizabeth Scamahorn
P.O. Box 841
Kalaheo, HI 96741

Brian Schaefer
P.O. Box 711
Kilauea, HI 96754

Matthew Schaller
P.O. Box 120
Hanalei, HI 96714

Tracey Schavone*
P.O. Box 713
Kapaa, HI 96746

Muffie Scheffler*
P.O. Box 491
Kapaa, HI 96746

Todd A. Scheibert*
5631-D Kaapuni Road
Kapaa, HI 96746

Joe Schlichter
P.O. Box 105
Hanalei, HI 96714

Paul Shinseki*
P.O. Box 528
Lihue, HI 96766

La Rae Schutt*
P.O. Box 327
Lawai, HI 96765

Stephen Schweitzer*
c/o CPK Engineering
P.O. Box 730
Waimea, HI 96796-0730

John Scott*
P.O. Box 3500-146
Princeville, HI 96722

Jon Scott
6 Roundup Road
Bel Canyon, CA 91307

Terri Schield*
P.O. Box 674
Kilauea, HI 96754

Spencer Schmidt*
3411 Wicox Road
Lihue, HI 96766

Faye R. Schofield*
P.O. Box 175
Kapaa, HI 96746

Dennis Schouter*
PMRF
P.O. Box 128
Kekaha, HI 96752-0128

Lorraine Scott*
P.O. Box 3500-146
Princeville, HI 96722

Dan Shapiro*
P.O. Box 628
Kekaha, HI 96752

Debbie Shimatsu*
CSC
P.O. Box 183
Kekaha, HI 96752

Charles Shufflebarger*
CPK
P.O. Box 445
Kekaha, HI 96752

Iraja Sivadas*
P.O. Box 607
Hanapepe, HI 96716

British Embassy
Attn: Mr. Geoffy Owen
3100 Massachusetts Avenue NW
Washington, DC 20008

Ronald & Ranjana Serle*
North Shore Properties
Box 607
Hanalei, HI 96714

Dan Shapiro*
P.O. Box 628
Kekaha, HI 96752

Howard Shapiro*
P.O. Box 261
Lihue, HI 96766

Patti Sharpe*
1792 Pee Road
Koloa, HI 96756

Kate Harrington Shea*
P.O. Box 224
Princeville, HI 96722

Richard Sherman*
3707 Omao Road
Koloa, HI 96756

Cat Sherrow, RN*
P.O. Box 828
Kapaa, HI 96746

Tom and Eileen Shiebert*
5631-D Kaapuni Street
Kapaa, HI 96746

Ron Shields, General Manager
CPK
P.O. Box 730
Waimea, HI 96796-0730

Lenny Siegel
P.O. Box 1440
Hanalei, HI 96714

Carla Silva*
Puli Road
Kalaheo, HI 96741

Stanley L. Silva
Office of Veterans Services
3122 Kuhio Highway
Lihue, HI 96766

Scott Simpson*
P.O. Box 723
Kilauea, HI 96754

Teri Sjogren
P.O. Box 1187
Hanalei, HI 96714

Lois J. Skinner*
2881 Mokoi Street
Lihue, HI 96766

Dick Slagg (2 copies)
Office of Space Industry
BBED
P.O. Box 2359
Honolulu, HI 96804

G. Slater
P.O. Box 400
Kekaha, HI 96752

Drake Smith*
P.O. Box 178
Kapaa, HI 96746

Margaret R. Smith*
CSC PanAm Crash/Fire
PMRF Barking Sands
Kekaha, HI 96752

Sharon Smockhoffmann, Ph.D.*
Box 321
Hanalei, HI 96714

E.C. Snyder*
P.O. Box 1048
Lawai, HI 96765

Fred Snyder*
3473 Lawailoa Lane
Koloa, HI 96756

Maria C. Snyder, M.D.*
P.O. Box 58
Kapaa, HI 96746

Steven R. & Linda Soleysik*
1702 Makoi Street
Lihue, HI 96766

Rebecca Eve Solomon*
6190 Kuamoo Road
Kapaa, HI 96746

Ronald Soroos
Care of Harding Lawson Associates
803 Kamehameha Highway, Room 404
Pearl City, HI 96782

Averiet Soto
P.O. Box 809
Lawai, HI 96765

Gary Soto*
P.O. Box 120
Eleele, HI 96705

Norine H. Soto*
CPK
P.O. Box 624
Kekaha, HI 96752-0624

Peggy Soto*
P.O. Box 358
Kalaheo, HI 96741

Errol Speed*
P.O. Box 723
Kilauea, HI 96754

Patricia B. Spillane*
P.O. Box 572
Kalaheo, HI 96741

Jesse Spinnler*
6383 Makana
Kapaa, HI 96746

C.W. Spitz*
4444 Rice Street #230
Lihue, HI 96766

Vicky Stamler*
P.O. Box 723
Kilauea, HI 96754

Regina Star
P.O. Box 893
Kilauea, HI 96754

Tim, Ruby, and Levi Star
P.O. Box 959
Kilauea, HI 96754

June B. Stark
P.O. Box 398
Kilauea, HI 96754

Cynthia Stark-Wickman
1746 Hulu Road
Kapaa, HI 96746

Susan Stayton*
P.O. Box 1113
Lawai, HI 96765

Leslie Steinwachs*
P.O. Box 824
Kilauea, HI 96754

Scott W. Stevens*
P.O. Box 549
Waimea, HI 96796

Kathleen Steward*
P.O. Box 397
Hanalei, HI 96714

State of Hawaii
Environmental Management Division
5 Waterfront Plaza
500 Ala Moana Blvd.
Honolulu, HI 96813

Steven C. Stocker*
P.O. Box 91
Kilauea, HI 96754

Peter Stocking*
P.O. Box 1567
Koloa, HI 96756

Debbie Stokes*
4720 Pelehu Road
Kapaa, HI 96746

Lilian K. Stone (18 copies)
Office of Secretary, DOI
Washington, DC 20240

Don Stoner*
4139 Findlay
Livermore, CA 94550

Richard Stong*
587 Puuopae Road
Kapaa, HI 96746

Kathleen Strard*
P.O. Box 397
Hanalei, HI 96714

Barbara P. Stuart*
P.O. Box 267
Haualei, HI 96714

Karen Steidle*
1592 Kuhio Highway
Kapaa, HI 96746

Leatrice Sullivan*
2653 Kalaloa Street
Lihue, HI 96766

Nathan Sullivan*
99-043 Kalaloa Street
Aiea, HI

C.L. Sussex
P.O. Box 3568
Princeville, HI 96722

Jerry I. Sussman
P.O. Box 646
Hanalei, HI 96714

Michael and Geetal Sussman*
P.O. Box 407
Anahola, HI 96703

George R. Susterich*
Post 2 American Legion
P.O. Box 554
Hanapepe, HI 96716

Michael S. Swatek*
3707 Omao Road
Koloa, HI 96756

M.T.*
Kuhio Highway
Kapaa, HI 96766

Ronald Takamura
4601 Kua Moo Road
Kapaa, HI 96746

Tsugime Takemoto
6416 Ahele Drive
Kapaa, HI 96746

Amber Tallent*
Citizens for Responsible Govt.
P.O. Box 656
Hanapepe, HI 96716

Malcom Tam
P.O. Box 1168
Lihue, HI 96766

Thomas Tamura
Kauai Times
4987 Hekili Road
Kapaa, HI 96746

Robert Tanita
Waimea Betterment Association
9906 Ula Place
Waimea, HI 96796

Wyatt Tuvman
P.O. Box 1440
Hanalei, HI 96714

Gabriella Taylor*
5620 Kaepana Road
Kapaa, HI 96746

Teri Teasdale
P.O. Box 28
Eleele, HI 96705

Don Teete
c/o Landry
291 Jayne Avenue
Oakland, CA 94610

Skip Templeton*
P.O. Box 1224
Hanalei, HI 96714

Jan TenBruggencate
P.O. Box 524
Lihue, HI 96766

John Tenuto
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Rick Terrerzas*
T.S. Enterprises
P.O. Box 278
Koloa, HI 96756

Karuna Thal
1321 Kiowai Place
Kapaa, HI 96746

Jeyan Thirugnanam
OEQC
220 S. King Street, 4th Floor
Honolulu, HI 96813

Chris Thibaut*
2360 Kiahuna Plantation
Koloa, HI 96756

Editor, This Week on Kauai
P.O. Box 1107
Lihue, HI 96766-5107

Higgins Thomas*
PMRF
P.O. Box 725
Hanapepe, HI 96716

Karissa Thomas*
P.O. Box 291
Anahola, HI 96703

Ken Thomas
P.O. Box 1485
Hanalei, HI 96714

James B. Thomson
Kekaha Sugar Company
Kekaha, HI 96752

Joseph Thomson*
P.O. Box 3236
Princeville, HI 96722

Joseph Thomson*
P.O. Box 238
Hanalei, HI 96714

Ingrid Tillman
P.O. Box 818
Kilauea, HI 96754

Steven C. Todd
State Department of Business and
Economic Development
99 Aupuni Street
Hilo, HI 96720

Turk Tokita
Kauai Veterans' Council
2794 Pikake Street
Lihue, HI 96766

Ricarfe Tomacper*
2144 Waiahi Street
Lihue, HI 96766

Sharon Tomas*
P.O. Box 503
Hanapepe, HI 96716

Jay Tomlinson*
P.O. Box 1572
Hanalei, HI 96714

Dawn M. Traina*
Ka Lahui Hawaii
P.O. Box 654
Hanapepe, HI 96716

Lori Trammell*
6514 Kalama Road
Kapaa, HI 96746

Healani Trembath*
4152 Palaumahu
Lihue, HI 96766

Delaine Tremblay*
P.O. Box 1366
Hanalei, HI 96714

Chigy Tsuhaf*
PMRF
P.O. Box 1371
Lihue, HI 96766

Jeffrey Tsykayama*
CPK
P.O. Box 370
Kalaheo, HI 96741

Carmela Tuck
P.O. Box 276
Koloa, HI 96756

Nancy Tyler*
4332 Naulu Place
Koloa, HI 96756

Peter Tyler
Physicians for Social Responsibility
100 16th Street NW, Suite 810
Washington, D.C. 20036

Betty & E. Unanian*
P.O. Box 698
Hanalei, Kauai, HI 96714

James Urabe*
CPK
P.O. Box 138
Lawai, HI 96765

University of Hawaii
Hamilton Library
Hawaiian Collection
2550 The Mall
Honolulu, HI 96822

Steve Uyehara
P.O. Box 174
Koloa, HI 96756

Bob Valencia
Pacific Missile Range Facility
P.O. Box 128
Kekaha, HI 96752-0128

Emma L. Valencia*
PMRF
P.O. Box 723
Kekaha, HI 96752

Robert R. Valencia, Jr.*
P.O. Box 1033
Waimea, HI 96796

Anita Van Auken*
P.O. Box 1200
Kalaheo, HI 96766

Sam Van Gieson*
CPK
P.O. Box 3354
Lihue, HI 96766

Sherry Vanassche
PMRF
P.O. Box 1145
Waimea, HI 96796

Patti Rae Van Mark*
P.O. Box 1280
Kalaheo, HI 96741

Larissa Varaday
P.O. Box 1549
Hanalei, HI 96714

Monica Velarde*
4775 Nonau
Kapaa, HI 96746

Gus Velez*
CPK
P.O. Box 927
Waimea, HI 96796

Lucille Verrill*
1610 Makanui Road
Koloa, HI 96756

Rafael Victoria*
130 Galaxy Way
Lompoc, CA 93436

J. Vierkoetter
P.O. Box 3185
Princeville, HI 96722

Kathleen Viernes*
P.O. Box 304
Hunamaulu, HI 96715

Juan Villalobos*
P.O. Box 50
Makawelie, HI 96769

John D. Visitacion*
P.O. Box 784
Eleele, HI 96705

Debra Wada
109 Senate Hart Office Bldg.
Washington, DC 20510-0103

Bernice Wade*
CPK
P.O. Box 68
Kekaha, HI 96752

Shannon L. Wade*
P.O. Box 1692
Hanalei, HI 96714

Darcy Wagoner*
5290 Makaloa Road
Kapaa, HI 96746

Bob and Diane Walker
P.O. Box 1713
Hanalei, HI 96714

Kathryn Walker*
308 Kaokolo Place
Kapaa, HI 96746

Denver C. Waller*
P.O. Box 674
Kilauea, HI 96754

Genia L. Ward*
PMRF
4363 Kalaheo Drive
Kalaheo, HI 96741

Mae & Van Warren
P.O. Box 711
Eleele, HI 96705

Carol Ann Washburn*
P.O. Box 1525
Hanalei, HI 96714

CPK
P.O. Box 711
Eleele, HI 96705

Ron Weakly
276 Aina Pua Place
Kapaa, HI 96746

Jonathan Webb*
6335 Waipouli Road
Kapaa, HI 96746

Jonathan & Pamela Weber*
4901 Kawaihau Road, Apt. #202
Kapaa, Kauai, HI 96746

Birdie O. Weir, Director*
J.F. Drake Memorial Learning
Resources Center
Normal, AL 35762

Wanda Weir, Assignment Editor
KITV - Channel 4
1290 Ala Moana Boulevard
Honolulu, HI 96814

Gerard Wells*
P.O. Box 345
Kilauea, HI 96754

Jake Welsh
P.O. Box 3317
Hanalei, HI 96714

Robyn Whatley*
P.O. Box 201
Anahola, HI 96703

Jim Wheatley
P.O. Box 1302
Kalaheo, HI 96741

Jeanne Wheeler
P.O. Box 1513
Hanalei, HI 96714

Vernon & Emeline White
P.O. Box 155
Anahola, HI 96703

Ginger White*
YWCA
3094 Elva Street
Lihue, HI 96766

Kim White
Garden Island
P.O. Box 231
Lihue, HI 96766

Dr. Martin White*
P.O. Box 979
Lawai, HI 96765

Mercedes White
P.O. Box 290
Lawai, HI 96765

Robbie LaDonna White*
CSC
P.O. Box 1051
Kekaha, HI 96752

Stacy White
P.O. Box 979
Kaloa, HI 96756

William M. Whitney*
CPK
3411 Wilcox Road 24B
Lihue, HI 96766

Malika Wiezkowski*
General Delivery
Anahola, HI 96703

Jon Wichman*
Hui Hoomalu, Ka Aina
P.O. Box 753
Hanalei, HI 96714

Ron Wiley*
KONE Radio
P.O. Box 1748
Lihue, HI 96766

Gail Wilkerson*
CPK
PMRF Barking Sands
Kekaha, HI 96752

Dan Williams*
154 TCS
Hawaii Air National Guard
P.O. Box 639
Kekaha, HI 96752

Valerie Williams*
4796 Pelehu Road
Kapaa, HI 96746-1851

Cyma Wilson*
2333 Kapiolani Blvd. #2110
Honolulu, HI 96826

Kenny Wilson*
P.O. Box 86
Kapaa, HI 96746

Susan A. Wilson
P.O. Box 355
Hanalei, HI 96714

Byron Wing*
CPK
P.O. Box 125
Waimea, HI 96796

James & Dorrie Winkler*
P.O. Box 636
Kilauea, HI 96754

Rosemary Winn*
P.O. Box 969
Kapaa, HI 96746

Isabelle Winninger*
P.O. Box 612
Kilauea, HI 96754

James and Tracy Wise
c/o Island Canvas Works
970 Kipuni Way
Kapaa, HI 96746

Laura Wofford
P.O. Box 1398
Kapaa, HI 96746

Byron Wong*
CPK
P.O. Box 725
Waimea, HI 96796

Herman Wong
Engineering Science
1357 Kapiolani Blvd., Ste. 1120
Honolulu, HI 96818

Genora Woodruff*
P.O. Box 305
Anahola, HI 96703

E. Woodyard, Ph.D.
Suite 3039-129
3-2600 Kaumualii Highway
Lihue, HI 96766

Heuionalani M. Wyeth*
P.O. Box 189
Anahola, HI 96703

Karen & Wesley K. Yadao*
P.O. Box 984
Kekaha, HI 96752

Vance Yamamoto*
3818 Koula Road
Hanapepe, HI 96716

John Sydney Yamane*
Hawaii Tech Products
4490 Pokole Road
Waimea, HI 96796

Milton K. Yamase*
CPK
P.O. Box 72
Waimea, HI 96796

George H. Yaneco*
PMRF Air Targets
P.O. Box 1104
Kekaha, HI 96752

Clay Yonahara*
CPK
P.O. Box 730
Waimea, HI 96796

Warren Yoshioka*
3385 Hailima
Lawai, HI 96765

Robin Yost*
6015 Kolopua Street
Kapaa, HI 96746

John Young*
CPK-PMRF
Kawai Lon
Kekaha, HI 96716

Patsy Young
P.O. Box 125
Anahola, HI 96703

Jiro and Jennie T. Yukimura*
3784 Luhina Street
Lihue, HI 96766

Charles Zehmer
SRS Technologies
1317 Del Norte Rd., Suite 100
Camarillo, CA 93010

Marjorie Zeigler*
Sierra Club Legal Defense Fund
212 Merchant Street, Suite 202
Honolulu, HI 96813

Gary Zerrille*
P.O. Box 515
Kauai, HI 96754

George Zukour
P.O. Box 891
Waimea, HI 96796

Marc Kunze*
P.O. Box 1174
Kalalau, HI 96741

Maurizia Zanin*
P.O. Box 738
Hanapepe, HI 96716

Marjorie Ziegler*
Hawaii Audubon Society
212 Merchant Street #320
Honolulu, HI 96813

Ann M. Zoidus*
P.O. Box 628
Kekaha, HI 96752

Frank Zuiranteo*
PMRF
P.O. Box 1119
Kekaha, HI 96752

* addition to Distribution List